PORTATONE

PSR-2100
PSR-1100

Data List
Daten-Liste
Liste des données
Lista de datos

YAMAHA

Voice List / Voice-Liste / Liste des voix / Lista de voces

PSR-2100

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Piano & Harpsi	GrandPiano	Live!	0	113	0
	BrightPiano	Regular	0	112	1
	Harpsichord	Live!	0	122	6
	GrandHarpsi	Live!	0	123	6
	HonkyTonk	Regular	0	112	3
	RockPiano	Regular	0	114	2
	MidiGrand	Regular	0	112	2
	CP80	Regular	0	113	2
	Oct.Piano1	Regular	0	113	3
	Oct.Piano2	Regular	0	114	3
	GrandPiano	Regular	0	112	0
	Harpsichord	Regular	0	112	6
	GrandHarpsi	Regular	0	113	6
E.Piano	GalaxyEP	Regular	0	114	4
	StageEP	Regular	0	117	4
	PolarisEP	Regular	0	115	4
	JazzChorus	Regular	0	118	5
	HyperTines	Regular	0	113	5
	E.Piano	Cool!	0	119	4
	PhaseEP	Regular	0	120	4
	NewTines	Regular	0	116	5
	FunkEP	Regular	0	112	4
	DX Modern	Regular	0	112	5
	VintageEP	Regular	0	116	4
	ModernEP	Regular	0	115	5
	TremoloEP	Regular	0	113	4
	SuperDX	Regular	0	117	5
	Clavi	Regular	0	112	7
	SuitcaseEP	Regular	0	118	4
	VenusEP	Regular	0	114	5
	WahClavi	Regular	0	113	7
Organ & Accordion	Elec.Organ	Cool!	0	118	18
	JazzOrgan	Cool!	0	117	16
	RotorOrgan	Regular	0	117	18
	RockOrgan1	Regular	0	112	18
	DanceOrgan	Regular	0	113	17
	GospelOrg	Regular	0	119	16
	PurpleOrg	Regular	0	114	18
	JazzOrgan1	Regular	0	112	16
	RockOrgan2	Regular	0	113	18
	RotaryDrive	Regular	0	116	18
	FullRocker	Regular	0	115	18
	Elec.Organ	Regular	0	118	17
	DrawbarOrg	Regular	0	115	16
	ClickOrgan	Regular	0	112	17
	StadiumOrg	Regular	0	118	16
	MellowDraw	Regular	0	115	17
	JazzOrgan2	Regular	0	113	16
	BrightDraw	Regular	0	116	16
	60'sOrgan	Regular	0	116	17
	JazzOrgan3	Regular	0	120	16
	TheatreOrg1	Regular	0	114	16
	TheatreOrg2	Regular	0	114	17
	Musette	Regular	0	112	21
	TuttiAccrd	Regular	0	113	21
	SmallAccrd	Regular	0	115	21
	Accordion	Regular	0	116	21
	Steirisch	Regular	0	117	21
	TangoAccrd	Regular	0	112	23
	Bandoneon	Regular	0	113	23
	SoftAccrd	Regular	0	114	21
	Harmonica	Sweet!	0	122	22
	ModernHarp	Regular	0	113	22
	BluesHarp	Regular	0	114	22
	Harmonica	Regular	0	112	22
	PipeOrgan	Regular	0	112	19
	ChapelOrgn1	Regular	0	113	19
	ChapelOrgn2	Regular	0	114	19
	ChapelOrgn3	Regular	0	115	19
	ReedOrgan	Regular	0	112	20
Percussion	Vibraphone	Regular	0	112	11
	JazzVibes	Regular	0	113	11
	Marimba	Regular	0	112	12
	Xylophone	Regular	0	112	13
	SteelDrums	Regular	0	112	114
	Celesta	Regular	0	112	8
	Glocken	Regular	0	112	9
	MusicBox	Regular	0	112	10
	TubularBell	Regular	0	112	14
	Kalimba	Regular	0	112	108
	Dulcimer	Regular	0	112	15

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Percussion	Timpani	Regular	0	112	47
	StandardKit1	Drums	127	0	0
	StandardKit2	Drums	127	0	1
	HitKit	Drums	127	0	4
	RoomKit	Drums	127	0	8
	RockKit	Drums	127	0	16
	ElectroKit	Drums	127	0	24
	AnalogKit	Drums	127	0	25
	DanceKit	Drums	127	0	27
	JazzKit	Drums	127	0	32
	BrushKit	Drums	127	0	40
	SymphonyKit	Drums	127	0	48
	ArabicKit	SFX Kit	126	0	35
	SFXKit1	SFX Kit	126	0	0
	SFXKit2	SFX Kit	126	0	1
	StyStd.Kit	Drums	127	0	80
	StyBrushKit	Drums	127	0	82
Guitar	Nylon Guitar	Live!	0	116	24
	Jazz Guitar	Cool!	0	115	26
	Elec.Gtr	Cool!	0	114	28
	12StrGuitar	Regular	0	113	25
	Smooth Lead	Regular	0	119	26
	Mandolin	Sweet!	0	124	25
	FunkGuitar	Regular	0	113	28
	VintageAmp	Regular	0	115	29
	CrunchGtr	Regular	0	113	30
	AlohaGtr	Regular	0	118	26
	ClassicGtr	Live!	0	115	24
	Jazz SolGt	Cool!	0	116	26
	FolkGuitar	Regular	0	112	25
	SolidChord	Regular	0	121	27
	ChorusGtr	Regular	0	124	27
	VintageMute	Regular	0	115	28
	VintageOpen	Regular	0	123	27
	LeadGuitar	Regular	0	114	29
	SolidGuitar	Regular	0	118	27
	PedalSteel	Regular	0	115	27
	SpanishGtr	Regular	0	113	24
	OctaveGtr	Regular	0	113	26
	DeepChorus	Regular	0	114	27
	CampfireGtr	Regular	0	115	25
	SmoothNylon	Regular	0	114	24
	TremoloGtr	Regular	0	113	27
	HawaiianGtr	Regular	0	114	26
	HeavyStack	Regular	0	114	30
	60'sClean	Regular	0	117	27
	WahGuitar	Regular	0	122	27
	ClassicGtr	Regular	0	112	24
	Elec.12Str	Regular	0	119	27
	FeedbackGtr	Regular	0	113	29
	BrightClean	Regular	0	116	27
	Distortion	Regular	0	112	30
	SlideGuitar	Regular	0	125	27
	VintageTrem	Regular	0	120	27
	Mandolin	Regular	0	114	25
	CleanGuitar	Regular	0	112	27
	MutedGuitar	Regular	0	112	28
	JazzGuitar	Regular	0	112	26
	Overdrive	Regular	0	112	29
	FolkGw_pick1	Regular	0	116	25
	FolkGw_pick2	Regular	0	117	25
	FolkGw_pick3	Regular	0	118	25
Bass	FingerBass	Regular	0	112	33
	UprightBass	Regular	0	113	32
	PickBass	Regular	0	112	34
	SuperFretles	Regular	0	113	35
	SlapBass	Regular	0	112	36
	AnalogBass	Regular	0	112	39
	DrySynBass	Regular	0	116	39
	TouchBass	Regular	0	115	39
	HiQBass	Regular	0	113	38
	FunkBass	Regular	0	112	37
	Aco.Bass	Regular	0	112	32
	Fretless	Regular	0	112	35
	Bass&Cymbal	Regular	0	114	32
	FusionBass	Regular	0	113	36
	RaveBass	Regular	0	114	38
	DanceBass	Regular	0	113	39
	SynthBass	Regular	0	112	38
	SnapBass	Regular	0	114	39
	ClickBass	Regular	0	115	38

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Brass	Trumpet	Sweet!	0	115	56
	Trombone	Sweet!	0	117	57
	MutedTrump	Sweet!	0	114	59
	FlugelHorn	Sweet!	0	118	56
	JazzTrumpet	Regular	0	116	56
	HyperBrass	Live!	0	118	62
	PopBrass	Live!	0	117	62
	OctaveBrass	Live!	0	116	62
	BrassCombo	Regular	0	115	66
	BrassSection	Regular	0	112	61
	SoloTrumpet	Regular	0	112	56
	SoloTromb	Regular	0	112	57
	MutedTrump	Regular	0	112	59
	FrenchHorn	Regular	0	112	60
	AirTrumpet	Regular	0	117	56
	Sforzando	Regular	0	125	61
	BrightBrass	Regular	0	120	61
	SoftBrass	Regular	0	123	61
	FullHorns	Regular	0	114	61
	HighBrass	Regular	0	115	61
	TrumpetEns	Regular	0	122	61
	Trombone	Regular	0	116	57
	SoftTromb	Regular	0	115	57
	MellowTromb	Regular	0	114	57
	SmoothTromb	Regular	0	118	57
	MellowHorns	Regular	0	119	61
	BallroomBrs	Regular	0	113	59
	Trb.Section	Regular	0	113	57
	SmallBrass	Regular	0	117	61
	BrassHit	Regular	0	126	61
	SoftTrumpet	Regular	0	114	56
	FlugelHorn	Regular	0	113	56
	MellowBrass	Regular	0	116	61
	BigBrass	Regular	0	121	61
	PopBrass	Regular	0	118	61
	BigBandBrs	Regular	0	113	61
	StepBrass	Regular	0	124	61
	OberBrass	Regular	0	113	63
	AnalogBrs	Regular	0	112	63
	SoftAnalog	Regular	0	114	63
	FunkyAnalog	Regular	0	115	62
	TechnoBrass	Regular	0	114	62
	SynthBrass	Regular	0	112	62
	80'sBrass	Regular	0	113	62
	BaritonHorn	Regular	0	113	58
	BaritonHit	Regular	0	114	58
	AlpBass	Regular	0	113	33
	Tuba	Regular	0	112	58
W.Wind	TenorSax	Sweet!	0	117	66
	AltoSax	Sweet!	0	114	65
	SopranoSax	Sweet!	0	113	64
	Clarinet	Sweet!	0	114	71
	GrowlSax	Regular	0	118	66
	Flute	Sweet!	0	114	73
	PanFlute	Sweet!	0	113	75
	Oboe	Sweet!	0	122	68
	SaxSection	Regular	0	116	66
	BaritoneSax	Regular	0	112	67
	BreathTenor	Regular	0	114	66
	BreathyAlto	Regular	0	113	65
	SopranoSax	Regular	0	112	64
	Clarinet	Regular	0	112	71
	WoodwindEns	Regular	0	113	66
	Class.Flute	Regular	0	115	73
	PanFlute	Regular	0	113	73
	Piccolo	Regular	0	112	72
	EthnicFlute	Regular	0	112	75
	RockBari	Regular	0	113	67
	TenorSax	Regular	0	112	66
	AltoSax	Regular	0	112	65
	MelClarinet	Regular	0	113	71
	Oboe	Regular	0	112	68
	EnglishHorn	Regular	0	112	69
	Bassoon	Regular	0	112	70
	Flute	Regular	0	112	73
	Shakuhachi	Regular	0	112	77
	Whistle	Regular	0	112	78
	Recorder	Regular	0	112	74
	Ocarina	Regular	0	112	79
	Bagpipe	Regular	0	112	109

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Strings	Strings	Live!	0	117	49
	Allegro	Live!	0	122	49
	Orchestra	Live!	0	116	49
	Symphon.Str	Regular	0	114	48
	Violin	Sweet!	0	122	40
	OrchStrings	Regular	0	113	48
	Orch.Brass	Regular	0	118	49
	Orch.Flute	Regular	0	119	49
	Orch.Fl.Br	Regular	0	120	49
	Orch.Oboe	Regular	0	121	49
	Strings	Regular	0	112	48
	SoloViolin	Regular	0	112	40
	SoftViolin	Regular	0	113	40
	Fiddle	Regular	0	112	110
	Viola	Regular	0	112	41
	Cello	Regular	0	112	42
	Contrabass	Regular	0	112	43
	ChamberStrs	Regular	0	112	49
	Str.Quartet	Regular	0	114	49
	ConcertoStr	Regular	0	115	48
	BowStrings	Regular	0	116	48
	MarcatoStrs	Regular	0	115	49
	SlowStrings	Regular	0	113	49
	TremoloStrs	Regular	0	112	44
	PizzStrings	Regular	0	112	45
	AnalogStrs	Regular	0	112	51
	SynStrings	Regular	0	112	50
	TechStrings	Regular	0	113	50
	Harp	Regular	0	112	46
	Hackbrett	Regular	0	113	46
	Banjo	Regular	0	112	105
	Sitar	Regular	0	112	104
	Koto	Regular	0	112	107
	Shamisen	Regular	0	112	106
	Orch.Hit	Regular	0	112	55
Choir & Pad	Gospel	Live!	0	116	52
	HahChoir	Regular	0	114	52
	GothicVox	Regular	0	113	53
	VocalEnsbl	Regular	0	113	52
	VoxHumana	Regular	0	112	53
	Choir	Regular	0	112	52
	AirChoir	Regular	0	112	54
	SweetHeaven	Regular	0	118	88
	DreamHeaven	Regular	0	121	88
	CyberPad	Regular	0	113	99
	Fantasia	Regular	0	112	88
	Voices	Regular	0	113	54
	Insomnia	Regular	0	113	94
	Wave2001	Regular	0	112	95
	NeoWarmPad	Regular	0	115	89
	Atmosphere	Regular	0	112	99
	XenonPad	Regular	0	112	91
	Skydiver	Regular	0	112	101
	FarEast	Regular	0	112	97
	Template	Regular	0	114	95
	Equinox	Regular	0	112	94
	GlassPad	Regular	0	114	93
	DX Pad	Regular	0	112	92
	Symbiont	Regular	0	113	88
	Stargate	Regular	0	114	88
	Area51	Regular	0	112	89
	DarkMoon	Regular	0	113	89
	Ionosphere	Regular	0	115	94
	GoldenAge	Regular	0	115	88
	Solaris	Regular	0	114	94
	TimeTravel	Regular	0	116	88
	Millennium	Regular	0	117	88
	Transform	Regular	0	113	95
	Dunes	Regular	0	114	89
Synthesizer	Oxygen	Regular	0	122	81
	Matrix	Regular	0	123	81
	WireLead	Regular	0	120	81
	HipLead	Regular	0	113	80
	HopLead	Regular	0	117	80
	SquareLead	Regular	0	112	80
	Saw.Lead	Regular	0	112	81
	FireWire	Regular	0	116	81
	Analogon	Regular	0	115	81
	FunkyLead	Regular	0	121	81
	Paraglide	Regular	0	114	84

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Synthesizer	Robolead	Regular	0	124	81
	Fargo	Regular	0	119	81
	Portatone	Regular	0	112	84
	Blaster	Regular	0	114	81
	BigLead	Regular	0	113	81
	Warp	Regular	0	117	81
	Adrenaline	Regular	0	113	84
	Synchronize	Regular	0	112	96
	TinyLead	Regular	0	118	80
	Stardust	Regular	0	112	98
	AeroLead	Regular	0	112	83
	MiniLead	Regular	0	114	80
	SynthFlute	Regular	0	119	80
	SubAqua	Regular	0	118	81
	Impact	Regular	0	113	87
	SunBell	Regular	0	113	98
	UnderHeim	Regular	0	112	87
	Rhythmatic	Regular	0	113	96
	HiBias	Regular	0	116	80
	Vinylead	Regular	0	115	80
	Skyline	Regular	0	115	84
	Clockwork	Regular	0	114	96
Organ Flutes	JazzDraw!	Organ Flutes	0	126	16
	BluesOrgan!	Organ Flutes	0	126	16
	SixteenOne!	Organ Flutes	0	126	16
	EvenBars!	Organ Flutes	0	126	16
	PopOrgan!	Organ Flutes	0	126	16
	RockingOrg!	Organ Flutes	0	126	16
	Percussive!	Organ Flutes	0	126	16
	GospelOrg!	Organ Flutes	0	126	16
	PadOrgan!	Organ Flutes	0	126	16
	FullRanks!	Organ Flutes	0	126	16

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Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Piano & Harpsi	GrandPiano	Regular	0	112	0
	BrightPiano	Regular	0	112	1
	Harpsichord	Regular	0	112	6
	GrandHarpsi	Regular	0	113	6
	HonkyTonk	Regular	0	112	3
	RockPiano	Regular	0	114	2
	MidiGrand	Regular	0	112	2
	CP80	Regular	0	113	2
	Oct.Piano1	Regular	0	113	3
	Oct.Piano2	Regular	0	114	3
E.Piano	GalaxyEP	Regular	0	114	4
	StageEP	Regular	0	117	4
	PolarisEP	Regular	0	115	4
	JazzChorus	Regular	0	118	5
	HyperTines	Regular	0	113	5
	E.Piano	Cool!	0	119	4
	PhaseEP	Regular	0	120	4
	NewTines	Regular	0	116	5
	FunkEP	Regular	0	112	4
	DX Modern	Regular	0	112	5
	VintageEP	Regular	0	116	4
	ModernEP	Regular	0	115	5
	TremoloEP	Regular	0	113	4
	SuperDX	Regular	0	117	5
	Clavi	Regular	0	112	7
	SuitcaseEP	Regular	0	118	4
	VenusEP	Regular	0	114	5
	WahClavi	Regular	0	113	7
Organ & Accordion	RotorOrgan	Regular	0	117	18
	RockOrgan1	Regular	0	112	18
	DanceOrgan	Regular	0	113	17
	GospelOrg	Regular	0	119	16
	PurpleOrg	Regular	0	114	18
	RotaryDrive	Regular	0	116	18
	JazzOrgan1	Regular	0	112	16
	RockOrgan2	Regular	0	113	18
	FullRocker	Regular	0	115	18
	Elec.Organ	Regular	0	118	17
	DrawbarOrg	Regular	0	115	16
	ClickOrgan	Regular	0	112	17
	MellowDraw	Regular	0	115	17
	JazzOrgan2	Regular	0	113	16
	BrightDraw	Regular	0	116	16
	60'sOrgan	Regular	0	116	17
	JazzOrgan3	Regular	0	120	16
	16+1Organ	Regular	0	121	16
	16+2Organ	Regular	0	122	16
	16+4Organ	Regular	0	123	16
	BluesOrgan	Regular	0	117	17
	Musette	Regular	0	112	21
	TuttiAccrd	Regular	0	113	21
	SmallAccrd	Regular	0	115	21
	Accordion	Regular	0	116	21
	TangoAccrd	Regular	0	112	23
	Bandoneon	Regular	0	113	23
	SoftAccrd	Regular	0	114	21
	ModernHarp	Regular	0	113	22
	BluesHarp	Regular	0	114	22
	Harmonica	Regular	0	112	22
	TheatreOrg1	Regular	0	114	16
	TheatreOrg2	Regular	0	114	17
	PipeOrgan	Regular	0	112	19
	ChapelOrgn1	Regular	0	113	19
	ChapelOrgn2	Regular	0	114	19
	ChapelOrgn3	Regular	0	115	19
	ReedOrgan	Regular	0	112	20
Percussion	Vibraphone	Regular	0	112	11
	JazzVibes	Regular	0	113	11
	Marimba	Regular	0	112	12
	Xylophone	Regular	0	112	13
	SteelDrums	Regular	0	112	114
	Celesta	Regular	0	112	8
	Glocken	Regular	0	112	9
	MusicBox	Regular	0	112	10
	TubularBell	Regular	0	112	14
	Kalimba	Regular	0	112	108
	Dulcimer	Regular	0	112	15
	Timpani	Regular	0	112	47
	StandardKit1	Drums	127	0	0
	StandardKit2	Drums	127	0	1
	RoomKit	Drums	127	0	8

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Percussion	RockKit	Drums	127	0	16
	ElectroKit	Drums	127	0	24
	AnalogKit	Drums	127	0	25
	DanceKit	Drums	127	0	27
	JazzKit	Drums	127	0	32
	BrushKit	Drums	127	0	40
	SymphonyKit	Drums	127	0	48
	StyStd.Kit	Drums	127	0	80
	StyBrushKit	Drums	127	0	82
	ArabicKit	SFX Kit	126	0	35
	SFXKit1	SFX Kit	126	0	0
	SFXKit2	SFX Kit	126	0	1
	HitKit	Drums	127	0	4
Guitar	NylonGuitar	Regular	0	115	24
	E.Guitar	Cool!	0	114	28
	12StrGuitar	Regular	0	113	25
	SolidGuitar	Regular	0	118	27
	VintageAmp	Regular	0	115	29
	PedalSteel	Regular	0	125	27
	CrunchGtr	Regular	0	113	30
	FunkGuitar	Regular	0	113	28
	60'sClean	Regular	0	117	27
	VintageOpen	Regular	0	123	27
	FolkGuitar	Regular	0	112	25
	SolidChord	Regular	0	121	27
	VintageMute	Regular	0	115	28
	LeadGuitar	Regular	0	114	29
	ChorusGtr	Regular	0	124	27
	VintageTrem	Regular	0	120	27
	SpanishGtr	Regular	0	113	24
	OctaveGtr	Regular	0	113	26
	DeepChorus	Regular	0	114	27
	CampfireGtr	Regular	0	115	25
	SmoothNylon	Regular	0	114	24
	TremoloGtr	Regular	0	113	27
	HawaiianGtr	Regular	0	114	26
	HeavyStack	Regular	0	114	30
	BrightClean	Regular	0	116	27
	WahGuitar	Regular	0	122	27
	ClassicGtr	Regular	0	112	24
	Distortion	Regular	0	112	30
	Elec.12Str	Regular	0	119	27
	Mandolin	Regular	0	114	25
	CleanGuitar	Regular	0	112	27
	FeedbackGtr	Regular	0	113	29
	MutedGuitar	Regular	0	112	28
	JazzGuitar	Regular	0	112	26
	Overdrive	Regular	0	112	29
	FolkGw_pick1	Regular	0	116	25
	FolkGw_pick2	Regular	0	117	25
	FolkGw_pick3	Regular	0	118	25
Bass	FingerBass	Regular	0	112	33
	UprightBass	Regular	0	113	32
	PickBass	Regular	0	112	34
	SuperFretles	Regular	0	113	35
	SlapBass	Regular	0	112	36
	AnalogBass	Regular	0	112	39
	DrySynBass	Regular	0	116	39
	TouchBass	Regular	0	115	39
	HiQBass	Regular	0	113	38
	FunkBass	Regular	0	112	37
	Aco.Bass	Regular	0	112	32
	Fretless	Regular	0	112	35
	Bass&Cymbal	Regular	0	114	32
	FusionBass	Regular	0	113	36
	RaveBass	Regular	0	114	38
	DanceBass	Regular	0	113	39
	SynthBass	Regular	0	112	38
	SnapBass	Regular	0	114	39
	ClickBass	Regular	0	115	38
Brass	Trumpet	Sweet!	0	115	56
	Trombone	Sweet!	0	117	57
	MutedTrump	Regular	0	112	59
	FlugelHorn	Regular	0	113	56
	SoftTrumpet	Regular	0	114	56
	BrassSection	Regular	0	112	61
	MellowBrass	Regular	0	116	61
	BigBandBrs	Regular	0	113	61
	PopBrass	Regular	0	118	61
	BrassCombo	Regular	0	115	66
	SoloTrumpet	Regular	0	112	56

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
Brass	SoloTromb	Regular	0	112	57
	JazzTrumpet	Regular	0	116	56
	FrenchHorn	Regular	0	112	60
	AirTrumpet	Regular	0	117	56
	BrightBrass	Regular	0	120	61
	SoftBrass	Regular	0	123	61
	FullHorns	Regular	0	114	61
	HighBrass	Regular	0	115	61
	TrumpetEns	Regular	0	122	61
	Trombone	Regular	0	116	57
	SoftTromb	Regular	0	115	57
	MellowTromb	Regular	0	114	57
	SmoothTromb	Regular	0	118	57
	MellowHorns	Regular	0	119	61
	BallroomBrs	Regular	0	113	59
	Trb.Section	Regular	0	113	57
	SmallBrass	Regular	0	117	61
	BrassHit	Regular	0	126	61
	StepBrass	Regular	0	124	61
	OberBrass	Regular	0	113	63
	AnalogBrs	Regular	0	112	63
	SoftAnalog	Regular	0	114	63
	FunkyAnalog	Regular	0	115	62
	TechnoBrass	Regular	0	114	62
	SynthBrass	Regular	0	112	62
	80'sBrass	Regular	0	113	62
	Tuba	Regular	0	112	58
W.Wind	TenorSax	Sweet!	0	117	66
	AltoSax	Sweet!	0	114	65
	SopranoSax	Sweet!	0	113	64
	Clarinet	Sweet!	0	114	71
	GrowlSax	Regular	0	118	66
	Flute	Sweet!	0	114	73
	PanFlute	Sweet!	0	113	75
	WoodwindEns	Regular	0	113	66
	SaxSection	Regular	0	116	66
	BaritoneSax	Regular	0	112	67
	BreathTenor	Regular	0	114	66
	BreathyAlto	Regular	0	113	65
	SopranoSax	Regular	0	112	64
	Clarinet	Regular	0	112	71
	Oboe	Regular	0	112	68
	EnglishHorn	Regular	0	112	69
	Bassoon	Regular	0	112	70
	Class.Flute	Regular	0	115	73
	Piccolo	Regular	0	112	72
	PanFlute	Regular	0	113	73
	EthnicFlute	Regular	0	112	75
	RockBari	Regular	0	113	67
	TenorSax	Regular	0	112	66
	AltoSax	Regular	0	112	65
	MelClarinet	Regular	0	113	71
	Flute	Regular	0	112	73
	Shakuhachi	Regular	0	112	77
	Whistle	Regular	0	112	78
	Recorder	Regular	0	112	74
	Ocarina	Regular	0	112	79
	Bagpipe	Regular	0	112	109
Strings	Orchestra	Live!	0	116	49
	Strings	Regular	0	112	48
	OrchStrings	Regular	0	113	48
	Symphon.Str	Regular	0	114	48
	SlowStrings	Regular	0	113	49
	SoloViolin	Regular	0	112	40
	AnalogStrs	Regular	0	112	51
	Orch.Brass	Regular	0	118	49
	Orch.Flute	Regular	0	119	49
	Orch.Oboe	Regular	0	121	49
	SoftViolin	Regular	0	113	40
	Fiddle	Regular	0	112	110
	Viola	Regular	0	112	41
	Cello	Regular	0	112	42
	Contrabass	Regular	0	112	43
	ChamberStrs	Regular	0	112	49
	Str.Quartet	Regular	0	114	49
	ConcertoStr	Regular	0	115	48
	BowStrings	Regular	0	116	48
	MarcatoStrs	Regular	0	115	49
	TremoloStrs	Regular	0	112	44
	PizzStrings	Regular	0	112	45
	SynStrings	Regular	0	112	50
Strings	TechStrings	Regular	0	113	50
	Harp	Regular	0	112	46
	Hackbrett	Regular	0	113	46
	Banjo	Regular	0	112	105
	Sitar	Regular	0	112	104
	Koto	Regular	0	112	107
	Shamisen	Regular	0	112	106
	Orch.Hit	Regular	0	112	55
Choir & Pad	HahChoir	Regular	0	114	52
	GothicVox	Regular	0	113	53
	VocalEnsbl	Regular	0	113	52
	VoxHumana	Regular	0	112	53
	Choir	Regular	0	112	52
	AirChoir	Regular	0	112	54
	SweetHeaven	Regular	0	118	88
	CyberPad	Regular	0	113	99
	Fantasia	Regular	0	112	88
	Insomnia	Regular	0	113	94
	Wave2001	Regular	0	112	95
	Atmosphere	Regular	0	112	99
	NeoWarmPad	Regular	0	115	89
	XenonPad	Regular	0	112	91
	Equinox	Regular	0	112	94
	DX Pad	Regular	0	112	92
	Symbiont	Regular	0	113	88
	Stargate	Regular	0	114	88
	Area51	Regular	0	112	89
	DarkMoon	Regular	0	113	89
	Ionosphere	Regular	0	115	94
	GoldenAge	Regular	0	115	88
	Solaris	Regular	0	114	94
	Millennium	Regular	0	117	88
	Transform	Regular	0	113	95
	Dunes	Regular	0	114	89
Synth	Oxygen	Regular	0	122	81
	Matrix	Regular	0	123	81
	WireLead	Regular	0	120	81
	HipLead	Regular	0	113	80
	SquareLead	Regular	0	112	80
	Saw.Lead	Regular	0	112	81
	FireWire	Regular	0	116	81
	Analogon	Regular	0	115	81
	FunkyLead	Regular	0	121	81
	Fargo	Regular	0	119	81
	Portatone	Regular	0	112	84
	Blaster	Regular	0	114	81
	BigLead	Regular	0	113	81
	Warp	Regular	0	117	81
	Adrenaline	Regular	0	113	84
	TinyLead	Regular	0	118	80
	Stardust	Regular	0	112	98
	AeroLead	Regular	0	112	83
	MiniLead	Regular	0	114	80
	SynthFlute	Regular	0	119	80
	SubAqua	Regular	0	118	81
	SunBell	Regular	0	113	98
	UnderHeim	Regular	0	112	87
	HiBias	Regular	0	116	80
	Vinylead	Regular	0	115	80
	Skyline	Regular	0	115	84

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Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
PIANO	GrandPiano	Regular	0	0	0
	GrndPianoKSP	Regular	0	1	0
	MellowGrPno	Regular	0	18	0
	PianoStrings	Regular	0	40	0
	Dream	Regular	0	41	0
	BrightPiano	Regular	0	0	1
	BritePnoKSP	Regular	0	1	1
	ElecGrandPno	Regular	0	0	2
	ElecGrPnoKSP	Regular	0	1	2
	DetunedCP80	Regular	0	32	2
	LayeredCP1	Regular	0	40	2
	LayeredCP2	Regular	0	41	2
	Honkytonk	Regular	0	0	3
	HonkytonkKSP	Regular	0	1	3
	El.Piano1	Regular	0	0	4
	El.Piano1KSP	Regular	0	1	4
	MellowEP1	Regular	0	18	4
	ChorusEP1	Regular	0	32	4
	HardEl.Piano	Regular	0	40	4
	VXfadeEl.P1	Regular	0	45	4
	60sEl.Piano1	Regular	0	64	4
	El.Piano2	Regular	0	0	5
	El.Piano2KSP	Regular	0	1	5
	ChorusEP2	Regular	0	32	5
	DXEPHard	Regular	0	33	5
	DXLegend	Regular	0	34	5
	DXPhaseEP	Regular	0	40	5
	DX+AnalogEP	Regular	0	41	5
	DXKotoEP	Regular	0	42	5
	VXfadeEl.P2	Regular	0	45	5
	Harpsichord	Regular	0	0	6
	Harpsi.KSP	Regular	0	1	6
	Harpsichord2	Regular	0	25	6
	Harpsichord3	Regular	0	35	6
	Clavi.	Regular	0	0	7
	Clavi.KSP	Regular	0	1	7
	Clavi.Wah	Regular	0	27	7
	PulseClavi.	Regular	0	64	7
	PierceClavi.	Regular	0	65	7
CHROMATIC PERC.	Celesta	Regular	0	0	8
	Glockenspiel	Regular	0	0	9
	MusicBox	Regular	0	0	10
	Orgel	Regular	0	64	10
	Vibraphone	Regular	0	0	11
	VibesKSP	Regular	0	1	11
	HardVibes	Regular	0	45	11
	Marimba	Regular	0	0	12
	MarimbaKSP	Regular	0	1	12
	SineMarimba	Regular	0	64	12
	Balimba	Regular	0	97	12
	LogDrums	Regular	0	98	12
	Xylophone	Regular	0	0	13
	TubularBells	Regular	0	0	14
	ChurchBells	Regular	0	96	14
	Carillon	Regular	0	97	14
	Dulcimer	Regular	0	0	15
	Dulcimer2	Regular	0	35	15
	Cimbalom	Regular	0	96	15
	Santur	Regular	0	97	15
ORGAN	DrawbarOrgan	Regular	0	0	16
	DetDrawOrgan	Regular	0	32	16
	60sDrawOrg1	Regular	0	33	16
	60sDrawOrg2	Regular	0	34	16
	70sDrawOrg1	Regular	0	35	16
	DrawbarOrg2	Regular	0	36	16
	60sDrawOrg3	Regular	0	37	16
	EvenBarOrg	Regular	0	38	16
	16+2'2_3Org	Regular	0	40	16
	OrganBass	Regular	0	64	16
	70sDrawOrg2	Regular	0	65	16
	CheezyOrgan	Regular	0	66	16
	DrawbarOrg3	Regular	0	67	16
	Perc.Organ	Regular	0	0	17
	70sPercOrg1	Regular	0	24	17
	DetPercOrgan	Regular	0	32	17
	LightOrgan	Regular	0	33	17
	Perc.Organ2	Regular	0	37	17
	RockOrgan	Regular	0	0	18
	RotaryOrgan	Regular	0	64	18
	SlowRotary	Regular	0	65	18

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
ORGAN	FastRotary	Regular	0	66	18
	ChurchOrgan	Regular	0	0	19
	ChurchOrgan3	Regular	0	32	19
	ChurchOrgan2	Regular	0	35	19
	NotreDame	Regular	0	40	19
	OrganFlute	Regular	0	64	19
	Trem.OrganFl	Regular	0	65	19
	ReedOrgan	Regular	0	0	20
	PuffOrgan	Regular	0	40	20
	Accordion	Regular	0	0	21
	AccordIt	Regular	0	32	21
	Harmonica	Regular	0	0	22
	Harmonica2	Regular	0	32	22
	TangoAccord	Regular	0	0	23
	TangoAccord2	Regular	0	64	23
GUITAR	NylonGuitar	Regular	0	0	24
	NylonGuitar2	Regular	0	16	24
	NylonGuitar3	Regular	0	25	24
	VelGtrHarmo	Regular	0	43	24
	Ukulele	Regular	0	96	24
	SteelGuitar	Regular	0	0	25
	SteelGuitar2	Regular	0	16	25
	12StrGuitar	Regular	0	35	25
	Nylon&Steel	Regular	0	40	25
	Steel&Body	Regular	0	41	25
	Mandolin	Regular	0	96	25
	JazzGuitar	Regular	0	0	26
	MellowGuitar	Regular	0	18	26
	JazzAmp	Regular	0	32	26
	CleanGuitar	Regular	0	0	27
	ChorusGuitar	Regular	0	32	27
	MutedGuitar	Regular	0	0	28
	FunkGuitar1	Regular	0	40	28
	MuteSteelGtr	Regular	0	41	28
	FunkGuitar2	Regular	0	43	28
	JazzMan	Regular	0	45	28
	Overdriven	Regular	0	0	29
	GuitarPinch	Regular	0	43	29
	Distortion	Regular	0	0	30
	FeedbackGtr	Regular	0	40	30
	FeedbackGtr2	Regular	0	41	30
	GtrHarmonics	Regular	0	0	31
	GtrFeedback	Regular	0	65	31
	GtrHarmonic2	Regular	0	66	31
BASS	AcousticBass	Regular	0	0	32
	JazzRhythm	Regular	0	40	32
	VXUprghtBass	Regular	0	45	32
	FingerBass	Regular	0	0	33
	FingerDark	Regular	0	18	33
	FlangeBass	Regular	0	27	33
	Bass&DistEG	Regular	0	40	33
	FingerSlap	Regular	0	43	33
	FingerBass2	Regular	0	45	33
	Mod.Bass	Regular	0	65	33
	PickBass	Regular	0	0	34
	MutePickBass	Regular	0	28	34
	FretlessBass	Regular	0	0	35
	Fretless2	Regular	0	32	35
	Fretless3	Regular	0	33	35
	Fretless4	Regular	0	34	35
	Syn.Fretless	Regular	0	96	35
	SmthFretless	Regular	0	97	35
	SlapBass1	Regular	0	0	36
	ResonantSlap	Regular	0	27	36
	PunchThumb	Regular	0	32	36
	SlapBass2	Regular	0	0	37
	Velo.Sw.Slap	Regular	0	43	37
	SynthBass1	Regular	0	0	38
	SynBass1Dark	Regular	0	18	38
	FastResoBass	Regular	0	20	38
	AcidBass	Regular	0	24	38
	ClaviBass	Regular	0	35	38
	TechnoBass	Regular	0	40	38
	Orbiter	Regular	0	64	38
	SquareBass	Regular	0	65	38
	RubberBass	Regular	0	66	38
	Hammer	Regular	0	96	38
	SynthBass2	Regular	0	0	39
	MellowSyBass	Regular	0	6	39
	SequenceBass	Regular	0	12	39

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
BASS	ClickSynBass	Regular	0	18	39
	SynBass2Dark	Regular	0	19	39
	SmoothSyBass	Regular	0	32	39
	ModulrSyBass	Regular	0	40	39
	DXBass	Regular	0	41	39
	XWireBass	Regular	0	64	39
STRINGS	Violin	Regular	0	0	40
	SlwAtkViolin	Regular	0	8	40
	Viola	Regular	0	0	41
	Cello	Regular	0	0	42
	Contrabass	Regular	0	0	43
	Trem.Strings	Regular	0	0	44
	SlwAtTremStr	Regular	0	8	44
	SuspenseStr	Regular	0	40	44
	PizzicatoStr	Regular	0	0	45
	Orch.Harp	Regular	0	0	46
	YangChin	Regular	0	40	46
	Timpani	Regular	0	0	47
ENSEMBLE	Strings1	Regular	0	0	48
	StereoStrngs	Regular	0	3	48
	SlwAtkStrngs	Regular	0	8	48
	ArcoStrings	Regular	0	24	48
	60'sStrings	Regular	0	35	48
	Orchestra	Regular	0	40	48
	Orchestra2	Regular	0	41	48
	TremOrchstra	Regular	0	42	48
	Velo.Strings	Regular	0	45	48
	Strings2	Regular	0	0	49
	S.SlowStrngs	Regular	0	3	49
	LegatoStrngs	Regular	0	8	49
	WarmStrings	Regular	0	40	49
	Kingdom	Regular	0	41	49
	70'sStrings	Regular	0	64	49
	Strings3	Regular	0	65	49
	SynStrings1	Regular	0	0	50
	ResoStrings	Regular	0	27	50
	SynStrings4	Regular	0	64	50
	SynStrings5	Regular	0	65	50
	SynStrings2	Regular	0	0	51
	ChoirAahs	Regular	0	0	52
	StereoChoir	Regular	0	3	52
	ChoirAahs2	Regular	0	16	52
	MellowChoir	Regular	0	32	52
	ChoirStrings	Regular	0	40	52
	VoiceOohs	Regular	0	0	53
	SynthVoice	Regular	0	0	54
	SynthVoice2	Regular	0	40	54
	Choral	Regular	0	41	54
	AnalogVoice	Regular	0	64	54
	OrchestraHit	Regular	0	0	55
	OrchestrHit2	Regular	0	35	55
	Impact	Regular	0	64	55
BRASS	Trumpet	Regular	0	0	56
	Trumpet2	Regular	0	16	56
	BriteTrumpet	Regular	0	17	56
	WarmTrumpet	Regular	0	32	56
	Trombone	Regular	0	0	57
	Trombone2	Regular	0	18	57
	Tuba	Regular	0	0	58
	Tuba2	Regular	0	16	58
	MutedTrumpet	Regular	0	0	59
	FrenchHorn	Regular	0	0	60
	Fr.HornSolo	Regular	0	6	60
	FrenchHorn2	Regular	0	32	60
	HornOrchestr	Regular	0	37	60
	BrassSection	Regular	0	0	61
	Tp&TbSection	Regular	0	35	61
	BrassSect2	Regular	0	40	61
	HighBrass	Regular	0	41	61
	MellowBrass	Regular	0	42	61
	SynthBrass1	Regular	0	0	62
	QuackBrass	Regular	0	12	62
	ResoSynBrass	Regular	0	20	62
	PolyBrass	Regular	0	24	62
	SynthBrass3	Regular	0	27	62
	JumpBrass	Regular	0	32	62
	AnaVelBrass1	Regular	0	45	62
	AnalogBrass1	Regular	0	64	62
	SynthBrass2	Regular	0	0	63
	SoftBrass	Regular	0	18	63

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
BRASS	SynthBrass4	Regular	0	40	63
	ChoirBrass	Regular	0	41	63
	AnaVelBrass2	Regular	0	45	63
	AnalogBrass2	Regular	0	64	63
REED	SopranoSax	Regular	0	0	64
	AltoSax	Regular	0	0	65
	SaxSection	Regular	0	40	65
	HyperAltoSax	Regular	0	43	65
	TenorSax	Regular	0	0	66
	BreathyTenor	Regular	0	40	66
	SoftTenorSax	Regular	0	41	66
	TenorSax2	Regular	0	64	66
	BaritoneSax	Regular	0	0	67
	Oboe	Regular	0	0	68
	EnglishHorn	Regular	0	0	69
	Bassoon	Regular	0	0	70
	Clarinet	Regular	0	0	71
PIPE	Piccolo	Regular	0	0	72
	Flute	Regular	0	0	73
	Recorder	Regular	0	0	74
	PanFlute	Regular	0	0	75
	BlownBottle	Regular	0	0	76
	Shakuhachi	Regular	0	0	77
	Whistle	Regular	0	0	78
	Ocarina	Regular	0	0	79
SYNTH LEAD	SquareLead	Regular	0	0	80
	SquareLead2	Regular	0	6	80
	LMSquare	Regular	0	8	80
	Hollow	Regular	0	18	80
	Shroud	Regular	0	19	80
	Mellow	Regular	0	64	80
	SoloSine	Regular	0	65	80
	SineLead	Regular	0	66	80
	SawtoothLead	Regular	0	0	81
	SawtoothLd2	Regular	0	6	81
	ThickSaw	Regular	0	8	81
	DynamicSaw	Regular	0	18	81
	DigitalSaw	Regular	0	19	81
	BigLead	Regular	0	20	81
	HeavySynth	Regular	0	24	81
	WaspySynth	Regular	0	25	81
	PulseSaw	Regular	0	40	81
	Dr.Lead	Regular	0	41	81
	VelocityLead	Regular	0	45	81
	Seq.Analog	Regular	0	96	81
	CalliopeLead	Regular	0	0	82
	PurePad	Regular	0	65	82
	ChiffLead	Regular	0	0	83
	Rubby	Regular	0	64	83
	CharangLead	Regular	0	0	84
	DistortedLd	Regular	0	64	84
	WireLead	Regular	0	65	84
	VoiceLead	Regular	0	0	85
	SynthAahs	Regular	0	24	85
	VoxLead	Regular	0	64	85
	FifthsLead	Regular	0	0	86
	BigFive	Regular	0	35	86
	Bass&Lead	Regular	0	0	87
	Big&Low	Regular	0	16	87
	Fat&Perky	Regular	0	64	87
	SoftWhirl	Regular	0	65	87
SYNTH PAD	NewAgePad	Regular	0	0	88
	Fantasy	Regular	0	64	88
	WarmPad	Regular	0	0	89
	ThickPad	Regular	0	16	89
	SoftPad	Regular	0	17	89
	SinePad	Regular	0	18	89
	HornPad	Regular	0	64	89
	RotaryStrngs	Regular	0	65	89
	PolySynthPad	Regular	0	0	90
	PolyPad80	Regular	0	64	90
	ClickPad	Regular	0	65	90
	AnalogPad	Regular	0	66	90
	SquarePad	Regular	0	67	90
	ChoirPad	Regular	0	0	91
	Heaven	Regular	0	64	91
	Itopia	Regular	0	66	91
	CCPad	Regular	0	67	91
	BowedPad	Regular	0	0	92
	Glacier	Regular	0	64	92

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
SYNTH PAD	GlassPad	Regular	0	65	92
	MetallicPad	Regular	0	0	93
	TinePad	Regular	0	64	93
	PanPad	Regular	0	65	93
	HaloPad	Regular	0	0	94
	SweepPad	Regular	0	0	95
	Shwimmer	Regular	0	20	95
	Converge	Regular	0	27	95
	PolarPad	Regular	0	64	95
	Celestial	Regular	0	66	95
SYNTH EFFECTS	Rain	Regular	0	0	96
	ClaviPad	Regular	0	45	96
	HarmoRain	Regular	0	64	96
	AfricanWind	Regular	0	65	96
	Carib	Regular	0	66	96
	SoundTrack	Regular	0	0	97
	Prologue	Regular	0	27	97
	Ancestral	Regular	0	64	97
	Crystal	Regular	0	0	98
	SynthDr.Comp	Regular	0	12	98
	Popcorn	Regular	0	14	98
	TinyBells	Regular	0	18	98
	RoundGlocken	Regular	0	35	98
	GlockenChime	Regular	0	40	98
	ClearBells	Regular	0	41	98
	ChorusBells	Regular	0	42	98
	SynthMallet	Regular	0	64	98
	SoftCrystal	Regular	0	65	98
	LoudGlocken	Regular	0	66	98
	ChristmasBel	Regular	0	67	98
	VibeBells	Regular	0	68	98
	DigitalBells	Regular	0	69	98
	AirBells	Regular	0	70	98
	BellHarp	Regular	0	71	98
	Gamelimba	Regular	0	72	98
	Atmosphere	Regular	0	0	99
	WarmAtmos.	Regular	0	18	99
	HollwRelease	Regular	0	19	99
	NylonElPiano	Regular	0	40	99
	NylonHarp	Regular	0	64	99
	HarpVox	Regular	0	65	99
	Atmos.Pad	Regular	0	66	99
	Planet	Regular	0	67	99
	Brightness	Regular	0	0	100
	FantasyBells	Regular	0	64	100
	Smokey	Regular	0	96	100
	Goblins	Regular	0	0	101
	GoblinsSynth	Regular	0	64	101
	Creeper	Regular	0	65	101
	RingPad	Regular	0	66	101
	Ritual	Regular	0	67	101
	ToHeaven	Regular	0	68	101
	Night	Regular	0	70	101
	Glisten	Regular	0	71	101
	BellChoir	Regular	0	96	101
	Echoes	Regular	0	0	102
	Echoes2	Regular	0	8	102
	EchoPan	Regular	0	14	102
	EchoBells	Regular	0	64	102
	BigPan	Regular	0	65	102
	SynthPiano	Regular	0	66	102
	Creation	Regular	0	67	102
	StarDust	Regular	0	68	102
	Reso&Panning	Regular	0	69	102
	Sci-Fi	Regular	0	0	103
	Starz	Regular	0	64	103
ETHNIC	Sitar	Regular	0	0	104
	DetunedSitar	Regular	0	32	104
	Sitar2	Regular	0	35	104
	Tambra	Regular	0	96	104
	Tamboura	Regular	0	97	104
	Banjo	Regular	0	0	105
	MutedBanjo	Regular	0	28	105
	Rabab	Regular	0	96	105
	Gopichant	Regular	0	97	105
	Oud	Regular	0	98	105
	Shamisen	Regular	0	0	106
	Koto	Regular	0	0	107
	Taisho-kin	Regular	0	96	107
	Kanoon	Regular	0	97	107

Category	Voice Name	Voice Type	Bank Select		MIDI Program Number
			MSB	LSB	
ETHNIC	Kalimba	Regular	0	0	108
	Bagpipe	Regular	0	0	109
	Fiddle	Regular	0	0	110
	Shanai	Regular	0	0	111
	Shanai2	Regular	0	64	111
	Pungi	Regular	0	96	111
	Hichiriki	Regular	0	97	111
PERCUSSIVE	TinkleBell	Regular	0	0	112
	Bonang	Regular	0	96	112
	Altair	Regular	0	97	112
	GamelanGongs	Regular	0	98	112
	StereoGamlan	Regular	0	99	112
	RamaCymbal	Regular	0	100	112
	AsianBells	Regular	0	101	112
	Agogo	Regular	0	0	113
	SteelDrums	Regular	0	0	114
	GlassPerc.	Regular	0	97	114
	ThaiBells	Regular	0	98	114
	Woodblock	Regular	0	0	115
	Castanets	Regular	0	96	115
	TaikoDrum	Regular	0	0	116
	GranCassa	Regular	0	96	116
	MelodicTom	Regular	0	0	117
	MelodicTom2	Regular	0	64	117
	RealTom	Regular	0	65	117
	RockTom	Regular	0	66	117
	SynthDrum	Regular	0	0	118
	AnalogTom	Regular	0	64	118
	ElectroPerc.	Regular	0	65	118
	Rev.Cymbal	Regular	0	0	119
SOUND EFFECTS	GtrFretNoise	Regular	0	0	120
	BreathNoise	Regular	0	0	121
	Seashore	Regular	0	0	122
	BirdTweet	Regular	0	0	123
	TelephonRing	Regular	0	0	124
	Helicopter	Regular	0	0	125
	Applause	Regular	0	0	126
	Gunshot	Regular	0	0	127
SFX	CuttingNoise	Regular	64	0	0
	CuttingNoiz2	Regular	64	0	1
	StringSlap	Regular	64	0	3
	Fl.KeyClick	Regular	64	0	16
	Shower	Regular	64	0	32
	Thunder	Regular	64	0	33
	Wind	Regular	64	0	34
	Stream	Regular	64	0	35
	Bubble	Regular	64	0	36
	Feed	Regular	64	0	37
	Dog	Regular	64	0	48
	Horse	Regular	64	0	49
	BirdTweet2	Regular	64	0	50
	Ghost	Regular	64	0	54
	Maou	Regular	64	0	55
	PhoneCall	Regular	64	0	64
	DoorSqueak	Regular	64	0	65
	DoorSlam	Regular	64	0	66
	ScratchCut	Regular	64	0	67
	ScratchSplit	Regular	64	0	68
	WindChime	Regular	64	0	69
	TelphonRing2	Regular	64	0	70
	CarEngineIgn	Regular	64	0	80
	CarTiresSqel	Regular	64	0	81
	CarPassing	Regular	64	0	82
	CarCrash	Regular	64	0	83
	Siren	Regular	64	0	84
	Train	Regular	64	0	85
	JetPlane	Regular	64	0	86
	Starship	Regular	64	0	87
	Burst	Regular	64	0	88
	RollrCoaster	Regular	64	0	89
	Submarine	Regular	64	0	90
	Laugh	Regular	64	0	96
	Scream	Regular	64	0	97
	Punch	Regular	64	0	98
	Heartbeat	Regular	64	0	99
	FootSteps	Regular	64	0	100
	MachineGun	Regular	64	0	112
	LaserGun	Regular	64	0	113
	Explosion	Regular	64	0	114
	Firework	Regular	64	0	115

Drum/key Assignment List
Liste der Tastenzuordnungen der Schlaginstrumente
Liste d'assignation instrument de batterie/touche du clavier
Lista de asignación de teclas/batería

Bank Select MSB (0-127)					127	127	127	127	127	127	127	127
Bank Select LSB (0-127)					0	0	0	0	0	0	0	0
Program Change (0-127)					0	1	4	8	16	24	25	27
MIDI		Keyboard Note	Key Off	Alternate Group	Standard Kit1	Standard Kit2	Hit Kit (PSR-2100)	Room Kit	Rock Kit	Electro Kit	Analog Kit	Dance Kit
Note#	Note											
13	C#-1	(C#0)		3	Surdo Mute							
14	D-1	(D0)		3	Surdo Open							
15	D#-1	(D#0)			Hi Q							
16	E-1	(E0)			Whip Slap							
17	F-1	(F0)		4	Scratch H							
18	F#-1	(F#0)		4	Scratch L							
19	G-1	(G0)			Finger Snap							
20	G#-1	(G#0)			Click Noise							
21	A-1	(A0)			Metronome Click							
22	A#-1	(A#0)			Metronome Bell							
23	B-1	(B0)			Seq Click L							
24	C0	C1			Seq Click H							
25	C#0	C#1			Brush Tap							
26	D0	D1	O		Brush Swirl							
27	D#0	D#1			Brush Slap							
28	E0	E1	O		Brush Tap Swirl					Reverse Cymbal	Reverse Cymbal	Reverse Cymbal
29	F0	F1	O		Snare Roll							
30	F#0	F#1			Castanet					Hi Q 2	Hi Q 2	Hi Q 2
31	G0	G1			Snare Soft	Snare Soft 2	Snare Electro		Snare Noisy	Snare Snappy Electro	Snare Noisy 4	Snare Techno
32	G#0	G#1			Sticks							
33	A0	A1			Kick Soft		Kick Tight L			Kick 3	Kick 3	Kick Techno Q
34	A#0	A#1			Open Rim Shot	Open Rim Shot H Short	Snare Pitched					Rim Gate
35	B0	B1			Kick Tight		Kick Wet		Kick 2	Kick Gate	Kick Analog Short	Kick Techno L
36	C1	C2			Kick	Kick Short	Kick Tight H		Kick Gate	Kick Gate Heavy	Kick Analog	Kick Techno
37	C#1	C#2			Side Stick	Side Stick Light	Stick Ambient				Side Stick Analog	Side Stick Analog
38	D1	D2			Snare	Snare Short	Snare Ambient	Snare Snappy	Snare Rock	Snare Noisy 2	Snare Analog	Snare Clap
39	D#1	D#2			Hand Clap							
40	E1	E2			Snare Tight	Snare Tight H	Snare Tight 2	Snare Tight Snappy	Snare Rock Tight	Snare Noisy 3	Snare Analog 2	Snare Dry
41	F1	F2			Floor Tom L		Hybrid Tom 1	Tom Room 1	Tom Rock 1	Tom Electro 1	Tom Analog 1	Tom Analog 1
42	F#1	F#2		1	Hi-Hat Closed		Hi-Hat Closed 2				Hi-Hat Closed Analog	Hi-Hat Closed 3
43	G1	G2			Floor Tom H		Hybrid Tom 2	Tom Room 2	Tom Rock 2	Tom Electro 2	Tom Analog 2	Tom Analog 2
44	G#1	G#2		1	Hi-Hat Pedal		Hi-Hat Pedal 2				Hi-Hat Closed Analog 2	Hi-Hat Closed Analog 3
45	A1	A2			Low Tom		Hybrid Tom 3	Tom Room 3	Tom Rock 3	Tom Electro 3	Tom Analog 3	Tom Analog 3
46	A#1	A#2		1	Hi-Hat Open		Hi-Hat Open 2				Hi-Hat Open Analog	Hi-Hat Open 3
47	B1	B2			Mid Tom L		Hybrid Tom 4	Tom Room 4	Tom Rock 4	Tom Electro 4	Tom Analog 4	Tom Analog 4
48	C2	C3			Mid Tom H		Hybrid Tom 5	Tom Room 5	Tom Rock 5	Tom Electro 5	Tom Analog 5	Tom Analog 5
49	C#2	C#3			Crash Cymbal 1						Crash Analog	Crash Analog
50	D2	D3			High Tom		Hybrid Tom 6	Tom Room 6	Tom Rock 6	Tom Electro 6	Tom Analog 6	Tom Analog 6
51	D#2	D#3			Ride Cymbal 1							
52	E2	E3			Chinese Cymbal							
53	F2	F3			Ride Cymbal Cup							
54	F#2	F#3			Tambourine		Tambourine Light					
55	G2	G3			Splash Cymbal							
56	G#2	G#3			Cowbell						Cowbell Analog	Cowbell Analog
57	A2	A3			Crash Cymbal 2							
58	A#2	A#3			Vibraslap							
59	B2	B3			Ride Cymbal 2							
60	C3	C4			Bongo H							
61	C#3	C#4			Bongo L							
62	D3	D4			Conga H Mute						Conga Analog H	Conga Analog H
63	D#3	D#4			Conga H Open						Conga Analog M	Conga Analog M
64	E3	E4			Conga L						Conga Analog L	Conga Analog L
65	F3	F4			Timbale H							
66	F#3	F#4			Timbale L							
67	G3	G4			Agogo H							
68	G#3	G#4			Agogo L							
69	A3	A4			Cabasa							
70	A#3	A#4			Maracas						Maracas 2	Maracas 2
71	B3	B4	O		Samba Whistle H							
72	C4	C5	O		Samba Whistle L							
73	C#4	C#5			Guiro Short							
74	D4	D5	O		Guiro Long							
75	D#4	D#5			Claves						Claves 2	Claves 2
76	E4	E5			Wood Block H							
77	F4	F5			Wood Block L							
78	F#4	F#5			Cuica Mute					Scratch H 2	Scratch H 2	Scratch H 2
79	G4	G5			Cuica Open					Scratch L 2	Scratch L 2	Scratch L 2
80	G#4	G#5		2	Triangle Mute							
81	A4	A5		2	Triangle Open							
82	A#4	A#5			Shaker							
83	B4	B5			Jingle Bells							
84	C5	C6			Bell Tree							
85	C#5	(C#6)										
86	D5	(D6)										
87	D#5	(D#6)										
88	E5	(E6)										
89	F5	(F6)										
90	F#5	(F#6)										
91	G5	(G6)										

• Key Off: Keys marked "O" stop sounding the instant they are released.
• Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number

Same as Standard Kit 1 (light grey)

No Sound (dark grey)

Bank Select MSB (0-127)					127	127	127	127	127	126	126	126
Bank Select LSB (0-127)					0	0	0	0	0	0	0	0
Program Change (0-127)					32	40	48	80	82	35	0	1
MIDI		Keyboard Note	Key Off	Alternate Group	Jazz Kit	Brush Kit	Symphony Kit	Sty Std.Kit	Sty BrushKit	Arabic Kit	SFX Kit1	SFX Kit2
Note#	Note											
13	C#-1	(C#0)		3								
14	D-1	(D0)		3								
15	D#-1	(D#0)										
16	E-1	(E0)										
17	F-1	(F0)		4								
18	F#-1	(F#0)		4								
19	G-1	(G0)										
20	G#-1	(G#0)										
21	A-1	(A0)										
22	A#-1	(A#0)										
23	B-1	(B0)										
24	C0	C1								Nakarazan Dom		
25	C#0	C#1						Brush Tap Style Std	Brush Tap Style Brush	Cabasa		
26	D0	D1	O					Brush Swirl Style Std	Brush Swirl StyleBrush	Nakarazan Edge		
27	D#0	D#1						Brush Slap Style Std	Brush Slap Style Brush	Hager Dom		
28	E0	E1	O					BrushTapSwirlStyleStd	BrushTapSwirlStyleBrsh	Hager Edge		
29	F0	F1	O							Bongo H		
30	F#0	F#1								Bongo L		
31	G0	G1			Snare Jazz H	Brush Slap 2		Snare Soft Style Std	Snare Soft Style Brush	Conga H Mute		
32	G#0	G#1								Conga H Open		
33	A0	A1					Kick Soft 2	Kick Soft Style Std	Kick Soft Style Brush	Conga L		
34	A#0	A#1				Open Rim Shot Light		Open Rim Shot Style Std	OpenRimShot StyleBrush	Zagrouda H		
35	B0	B1					Gran Cassa	Kick Tight Style Std	Kick Tight Style Brush	Zagrouda L		
36	C1	C2			Kick Jazz	Kick Jazz	Gran Cassa Mute	Kick Style Std	Kick Style Brush	Kick Soft	Cutting Noise	Phone Call
37	C#1	C#2			Side Stick Light	Side Stick Light		Side Stick Style Std	Side Stick Style Brush	Side Stick	Cutting Noise 2	Door Squeak
38	D1	D2			Snare Jazz L	Brush Slap 3	Band Snare	Snare Style Std	Snare Style Brush	Snare Soft		Door Slam
39	D#1	D#2								Arabic Hand Clap	String Slap	Scratch Cut
40	E1	E2			Snare Jazz M	Brush Tap 2	Band Snare 2	Snare Tight Style Std	Snare Tight StyleBrush	Snare		Scratch H 3
41	F1	F2				Tom Brush 1		Floor Tom L Style Std	Floor Tom L StyleBrush	Floor Tom L		Wind Chime
42	F#1	F#2		1				Hi-Hat Closed StyleStd	Hi-HatClosedStyleBrush	Hi-Hat Closed		Telephone Ring 2
43	G1	G2				Tom Brush 2		Floor Tom H Style Std	Floor Tom H StyleBrush	Floor Tom H		
44	G#1	G#2		1				Hi-Hat Pedal Style Std	Hi-HatPedal StyleBrush	Hi-Hat Pedal		
45	A1	A2				Tom Brush 3		Low Tom Style Std	Low Tom Style Brush	Low Tom		
46	A#1	A#2		1				Hi-Hat Open Style Std	Hi-HatOpen StyleBrush	Hi-Hat Open		
47	B1	B2				Tom Brush 4		Mid Tom L Style Std	Mid Tom L Style Brush	Mid Tom L		
48	C2	C3				Tom Brush 5		Mid Tom H Style Std	Mid Tom H Style Brush	Mid Tom H		
49	C#2	C#3					Hand Cymbal	CrashCymbal 1 StyleStd	CrashCymbal1StyleBrush	Crash Cymbal 1		
50	D2	D3				Tom Brush 6		High Tom Style Std	High Tom Style Brush	High Tom		
51	D#2	D#3					Hand Cymbal Short	Ride Cymbal 1 StyleStd	RideCymbal1 StyleBrush	Ride Cymbal 1		
52	E2	E3						ChineseCymbal StyleStd	ChineseCymbalStyleBrsh	Crash Cymbal 2	Flute Key Click	Car Engine Ignition
53	F2	F3						RideCymbalCup StyleStd	RideCymbalCupStyleBrsh	Duhulla Dom		Car Tires Squeal
54	F#2	F#3								Tambourine		Car Passing
55	G2	G3						Splash Cymbal StyleStd	SplashCymbalStyleBrush	Duhulla Tak		Car Crash
56	G#2	G#3								Cowbell		Siren
57	A2	A3					Hand Cymbal 2	CrashCymbal 2 StyleStd	CrashCymbal2StyleBrush	Duhulla Sak		Train
58	A#2	A#3								Claves		Jet Plane
59	B2	B3					Hand Cymbal 2 Short	Ride Cymbal 2 StyleStd	RideCymbal2 StyleBrush	Doff Dom		Starship
60	C3	C4								Katem Dom		Burst
61	C#3	C#4								Katem Tak		Roller Coaster
62	D3	D4								Katem Sak		Submarine
63	D#3	D#4								Katem Tak		
64	E3	E4								Doff Tak		
65	F3	F4								Tabla Dom		
66	F#3	F#4								Tabla Tak1		
67	G3	G4								Tabla Tik		
68	G#3	G#4								Tabla Tak2	Shower	Laugh
69	A3	A4								Tabla Sak	Thunder	Scream
70	A#3	A#4								Tabla Roll of Edge	Wind	Punch
71	B3	B4	O							Tabla Flam	Stream	Heart Beat
72	C4	C5	O							Sagat 1	Bubble	Foot Steps
73	C#4	C#5								Tabel Dom	Feed	
74	D4	D5	O							Sagat 3		
75	D#4	D#5								Tabel Tak		
76	E4	E5								Sagat 2		
77	F4	F5								Rik Dom		
78	F#4	F#5								Rik Tak 2		
79	G4	G5								Rik Finger 1		
80	G#4	G#5		2						Rik Tak 1		
81	A4	A5		2						Rik Finger 2		
82	A#4	A#5								Rik Brass Tremolo		
83	B4	B5								Rik Sak		
84	C5	C6								Rik Tik	Dog	Machine Gun
85	C#5	(C#6)									Horse	Laser Gun
86	D5	(D6)									Bird Tweet 2	Explosion
87	D#5	(D#6)										Firework
88	E5	(E6)										
89	F5	(F6)										
90	F#5	(F#6)									Ghost	
91	G5	(G6)									Maou	

Style List
Liste der Styles
Liste des styles
Lista de estilos

Category	Style Name	PSR-2100	PSR-1100
Pop&Rock	HeartBeat	●	●
	60'sGtrPop	●	●
	60's8Beat	●	●
	8Beat1	●	●
	8Beat2	●	●
	BubblegumPop	●	●
	OffBeat	●	●
	60'sRock1	●	●
	60'sRock2	●	●
	BritPop	●	●
	HardRock	●	●
	Rock+HalfTime	●	●
	RockShuffle	●	●
	RootRock	●	●
	8BeatRock	●	●
	PopShuffle1	●	●
	PopShuffle2	●	●
	GuitarPop	●	●
	16BtUptempo	●	●
	KoolShuffle	●	●
	FunkyFusion	●	●
	JazzPop	●	●
	JazzRock	●	●
	Soul	●	●
	DetroitPop1	●	●
	Twist	●	-
	60'sRock&Roll	●	●
	GospelBrothers	●	●
	6-8Soul	●	●
	CrocoTwist	●	●
	Rock&Roll	●	●
	SoulBeat	●	●
	DetroitPop2	●	●
	SoulShuffle	●	●
	BoogieWoogie	●	●
	6-8Blues	●	●
	AmazingGospel	●	●
	Country8Beat1	●	●
	CountryPop1	●	●
	CountryRock	●	●
	CountrySwing	●	●
	Country2-4	●	●
	CowboyBoogie	●	●
	Country8Beat2	●	●
	CountryPop2	●	●
	CntryBrothers	●	●
	CountryShuffle	●	●
	Hoedown	●	●
	FingerPickin	●	●
	SingrSngWriter	●	-
Ballad	8BeatModern	●	●
	OrganBallad	●	●
	8BeatAdria	●	●
	6-8SlowRock1	●	●
	6-8SlowRock2	●	●
	ClassicPianoBld	●	●
	PianoBallad	●	●
	AcousticBallad	●	●
	6-8ModernEP	●	●
	6-8Orchestral	●	●
	RockBallad	●	●
	LoveSong	●	●
	16Beat	●	●
	PopBallad	●	●
	16BeatBallad1	●	●
	16BeatBallad2	●	●
	Slow&Easy	●	●
	AnalogBallad	●	●
	R&B	●	●
	R&B Ballad	●	●
	ModCntryPop	●	●
	CountryBallad	●	●
	Unplugged	●	●
	SecretService	●	●
Swing&Jazz	BigBandFast1	●	●
	BigBandMid1	●	●
	BigBandFast2	●	●
	BigBandMid2	●	●
	DixieJazz	●	●
	BigBandBallad	●	●
	MoonlightBallad	●	●

Category	Style Name	PSR-2100	PSR-1100
Swing&Jazz	BigBandShfl1	●	●
	BigBandShfl2	●	●
	MediumJazz	●	●
	JazzClub	●	●
	Swing1	●	●
	Swing2	●	●
	TapDanceSwing	●	●
	JazzBallad	●	●
	GypsySwing	●	●
	CatGroove	●	●
	Dixieland	●	●
	Ragtime	●	●
	Bebop	●	●
	Charleston	●	●
Dance	Ibiza2003	●	-
	RetroPop	●	●
	DreamDance	●	-
	EuroTrance	●	●
	Ibiza 2000	●	●
	HouseMusik	●	●
	SwingHouse	●	●
	TechnoPolis	●	●
	Clubdance	●	●
	ClubLatin	●	●
	Garage1	●	●
	Garage2	●	●
	TechnoParty	●	●
	UKPop	●	●
	HipHopGroove	●	●
	HipHopLight	●	●
	ModernR&B	●	-
	HipShuffle	●	●
	HipHopPop	●	●
	70'sDisco1	●	●
	70'sDisco2	●	●
	70'sDisco3	●	●
	LatinDisco	●	●
	DiscoPhilly	●	●
	SaturdayNight	●	●
	DiscoChocolate	●	●
	DiscoHands	●	●
	DiscoFunk	●	●
	DiscoSamba	●	●
	DiscoParty	●	●
	DiscoFox	●	●
	FunkyDisco	●	●
Ballroom	VienneseWaltz1	●	●
	VienneseWaltz2	●	-
	EnglishWaltz	●	●
	Slowfox	●	●
	Foxtrot	●	●
	Quickstep	●	●
	OrgQuickstep	●	●
	Tango1	●	●
	Tango2	●	●
	Swingfox	●	●
	Pasodoble	●	●
	Samba	●	●
	ChaChaCha	●	●
	Rumba	●	●
	Jive	●	●
	SchlagerBeat	●	●
	SchlagerPop	●	●
	SchlagerRock	●	-
	SchlagerAlp	●	●
	SchlagerRumba	●	●
Latin	BrazilianSamba	●	●
	PopSamba	●	●
	BossaNova	●	●
	PopBossa	●	●
	BigBandMambo	●	●
	BigBandSalsa	●	●
	SlowBossa	●	●
	Tijuana	●	●
	DiscoLatin	●	●
	Cumbia	●	●
	RockChaCha	●	●
	FastBossa	●	●
	Mambo	●	●
	Salsa	●	●
	Beguine	●	●

Category	Style Name	PSR-2100	PSR-1100
Latin	GypsyRumba	●	●
	RmbFlamenca	●	●
	RumbaIsland	●	●
	Espagnole	●	-
	Caribbean	●	●
	HappyReggae	●	●
	JumboReggae	●	●
	Bolero	●	-
March&Waltz	USMarch	●	●
	6-8March	●	●
	GermanMarch1	●	●
	GermanMarch2	●	-
	BandMarch	●	-
	OrchMarch	●	●
	OrchPolka	●	●
	PolkaPop	●	●
	OberPolka	●	●
	MariachiWaltz	●	●
	Tarantella	●	●
	GuitarSerenade	●	●
	SwingWaltz	●	●
	PopWaltz	●	-
	JazzWaltz	●	●
	BandWaltz	●	-
	CountryWaltz	●	●
	TraditionalWaltz	●	-
	OberWalzer	●	●
	Musette	●	●
	Bluegrass1	●	●
	Bluegrass2	●	-
	Showtune	●	●
	PubPiano	●	●
	ChildrensMarch	●	●
	Santa'sSwing	●	●
	ChristmasSwing	●	●
	ChristmasWaltz	●	●
	ScottishReel	●	●
	Jig	●	-
	Hawaiian	●	●
	LimboRock	●	●
	HullyGully	●	●

Multi Pad Bank List
Multi-Pad-Bank-Liste
Liste des banques multi-pads
Lista de bancos de Multi Pad

Bank Name
Tom Flam
Crash Kit
Drum Kit 1
Drum Kit 2
Drum Kit 3
ArabicPerc 1
ArabicPerc 2
Latin Perc 1
Latin Perc 2
Dance Kit
Attention 1
Attention 2
Fanfare 1
Fanfare 2
Swingy
Brassy 1
Brassy 2
SynBrass
Mallet Fills
Piano Man
Heaven Arp
Piano Arp
Harpeggio 1
Harpeggio 2
Arpeggio
Crystal Arp
Twinkle Arp
Piano Gliss
Xmas 1
Xmas 2
Guitar Cut 1
Guitar Cut 2
GuitarRiff 1
GuitarRiff 2
Guitar Strum
DrumFill
Limbo Dancer
DJ Set 1
DJ Set 2
OrchestraHit
Water SE
Horror SE
Night SE
Day SE
Car SE
Big Bells
Whistle
MagicBell SE
Classical
Flamenco Gtr
Salsa Piano
Samba Show1
Samba Show2
TimbalesRoll

Effect Type List / Liste der Effekttypen / Liste des types d'effet / Lista de tipos de efecto

■ XG Effect Type

❍ Reverb Type

Effect Name	Type MSB	Type LSB	
HALL1	1	0	
HALL2	1	16	
HALL3	1	17	
HALL4	1	18	
HALL5	1	1	
HALL M	1	6	●
HALL L	1	7	●
ROOM1	2	16	
ROOM2	2	17	
ROOM3	2	18	
ROOM4	2	19	
ROOM5	2	0	
ROOM6	2	1	
ROOM7	2	2	
ROOM S	2	5	●
ROOM M	2	6	●
ROOM L	2	7	●
STAGE1	3	16	
STAGE2	3	17	
STAGE3	3	0	
STAGE4	3	1	
PLATE1	4	16	
PLATE2	4	17	
PLATE3	4	0	
GM PLATE	4	7	●
WHITE ROOM	16	0	
TUNNEL	17	0	
CANYON	18	0	
BASEMENT	19	0	
NO EFFECT	0	0	

❍ Chorus Type

Effect Name	Type MSB	Type LSB	
CHORUS1	66	17	
CHORUS2	66	8	
CHORUS3	66	16	
CHORUS4	66	1	
CHORUS5	65	2	
CHORUS6	65	0	
CHORUS7	65	1	
CHORUS8	65	8	
GM CHORUS1	65	3	●
GM CHORUS2	65	4	●
GM CHORUS3	65	5	●
GM CHORUS4	65	6	●
FB CHORUS	65	7	●
CELESTE1	66	0	
CELESTE2	66	2	
FLANGER1	67	8	
FLANGER2	67	16	
FLANGER3	67	17	
FLANGER4	67	1	
FLANGER5	67	0	
GM FLANGER	67	7	●
SYMPHONIC1	68	16	●
SYMPHONIC2	68	0	●
PHASER1	72	0	●
ENS DETUNE (ENSEMBLE DETUNE)	87	0	●
NO EFFECT	0	0	

●: PSR-2100 only

❍ DSP Type

DSP Block

	PSR-2100	PSR-1100
Variation	DSP 1	DSP
Insertion 1	DSP 2	
Insertion 2	DSP 3	
Insertion 3	DSP 4	

PSR-2100 Variation

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
HALL M	1	6
HALL L	1	7
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
ROOM S	2	5
ROOM M	2	6
ROOM L	2	7
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
GM PLATE	4	7
WHITE ROOM	16	0
TUNNEL	17	0
CANYON	18	0
BASEMENT	19	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
GM CHORUS1	65	3
GM CHORUS2	65	4
GM CHORUS3	65	5
GM CHORUS4	65	6
FB CHORUS	65	7
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE (ENSEMBLE DETUNE)	87	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
ER1	9	0
ER2	9	1
GATE REVERB	10	0
REVERS GATE	11	0
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
HM ENHANCE1 (HARMONIC ENHANCER 1)	81	16
HM ENHANCE2 (HARMONIC ENHANCER 2)	81	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
GM FLANGER	67	7
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
TEMPO DELAY	21	0
TEMPO ECHO	21	8
TEMPO CROSS	22	0
DIST HEAVY	73	0
ST DIST (STEREO DISTORTION)	73	8
COMP+DIST1 (COMPRESSOR+DISTORTION 1)	73	16
COMP+DIST2 (COMPRESSOR+DISTORTION 2)	73	1
OVERDRIVE	74	0
ST OD (STEREO OVER DRIVE)	74	8
DIST HARD (DISTORTION HARD)	75	16
DIST SOFT (DISTORTION SOFT)	75	17
ST DIST HARD (STEREO DISTORTION HARD)	75	18
ST DIST SOFT (STEREO DISTORTION SOFT)	75	19
V_DIST HARD (V DISTORTION HARD)	98	0
V_DIST SOFT (V DISTORTION SOFT)	98	2
AMP SIM (AMP SIMULATOR)	75	0
ST AMP1 (STEREO AMP SIMULATOR 1)	75	20

Effect Name	Type MSB	Type LSB
ST AMP2 (STEREO AMP SIMIULATOR 2)	75	21
ST AMP3 (STEREO AMP SIMIULATOR 3)	75	8
DST+DELAY1 (DISTORTION+DELAY 1)	95	16
DST+DELAY2 (DISTORTION+DELAY 2)	95	0
OD+DELAY1 (OVERDRIVE+DELAY 1)	95	17
OD+DELAY2 (OVERDRIVE+DELAY 2)	95	1
CMP+DST+DLY1 (COMPRESSOR+DISTORTION+DELAY 1)	96	16
CMP+DST+DLY2 (COMPRESSOR+DISTORTION+DELAY 2)	96	0
CMP+OD+DLY1 (COMPRESSOR+OVERDRIVE+DELAY 1)	96	17
CMP+OD+DLY2 (COMPRESSOR+OVERDRIVE+DELAY 2)	96	1
V_DST H+DLY (V DISTORTION HARD+DELAY)	98	1
V_DST S+DLY (V DISTORTION SOFT+DELAY)	98	3
DST+TDLY (DISTORTION+TEMPO DELAY)	100	0
OD+TDLY (OVERDRIVE+TEMPO DELAY)	100	1
CMP+DST+TDL (COMPRESSOR+DISTORTION+TEMPO DELAY)	101	0
CMP+OD+TDLY (COMPRESSOR+OVERDRIVE+TEMPO DELAY)	101	1
V_DST H+TDLY (V DISTORTION HARD+TEMPO DELAY)	103	0
V_DST S+TDLY (V DISTORTION SOFT+TEMPO DELAY)	103	1
COMPRESSOR	83	0
NOISE GATE	84	0
VCE CANCEL	85	0
AMBIENCE	88	0
TALKING MOD	93	0
LO-FI	94	0
PHASER1	72	0
PHASER2	72	8
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
PITCH CHG1 (PITCH CHANGE 1)	80	16
PITCH CHG2 (PITCH CHANGE 2)	80	0
PITCH CHG3 (PITCH CHANGE 3)	80	1
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
2WAY ROT SP (2WAY ROTARY SP)	86	0
DST+ROT SP (DISTORTION+ROTARY SP)	69	1
DST+2ROT SP (DISTORTION+2WAY ROTARY SP)	86	1
OD+ROT SP (OVERDRIVE+ROTARY SP)	69	2
OD+2ROT SP (OVERDRIVE+2WAY ROTARY SP)	86	2
AMP+ROT SP (AMP SIMULATOR+ROTARY SP)	69	3
AMP+2ROT SP (AMP SIMULATOR+2WAY ROTARY SP)	86	3
DUAL ROT SP1 (DUAL ROTOR SPEAKER 1)	99	0
DUAL ROT SP2 (DUAL ROTOR SPEAKER 2)	99	1
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
AUTO WAH1	78	16
AUTO WAH2	78	0
AT WAH+DST1 (AUTO WAH+DISTORTION 1)	78	17
AT WAH+DST2 (AUTO WAH+DISTORTION 2)	78	1
AT WAH+OD1 (AUTO WAH+OVERDRIVE 1)	78	18
AT WAH+OD2 (AUTO WAH+OVERDRIVE 2)	78	2
TOUCH WAH1	82	0
TOUCH WAH2	82	8
TC WAH+DST1 (TOUCH WAH+DISTORTION 1)	82	16
TC WAH+DST2 (TOUCH WAH+DISTORTION 2)	82	1
TC WAH+OD1 (TOUCH WAH+OVERDRIVE 1)	82	17
TC WAH+OD2 (TOUCH WAH+OVERDRIVE 2)	82	2
CLAVI TC WAH (CLAVI TOUCH WAH)	82	18
EP TC WAH (EP TOUCH WAH)	82	19
WH+DST+DLY1 (WAH+DISTORTION+DELAY 1)	97	16
WH+DST+DLY2 (WAH+DISTORTION+DELAY 2)	97	0
WH+DST+TDLY (WAH+DISTORTION+TEMPO DELAY)	102	0
WH+OD+DLY1 (WAH+OVERDRIVE+DELAY 1)	97	17
WH+OD+DLY2 (WAH+OVERDRIVE+DELAY 2)	97	1
WH+OD+TDLY (WAH+OVERDRIVE+TEMPO DELAY)	102	1
THRU	64	0
NO EFFECT	0	0

PSR-2100 Insertion1 – 3

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
ENS DETUNE (ENSEMBLE DETUNE)	87	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
HM ENHANCE1 (HARMONIC ENHANCER 1)	81	16
HM ENHANCE2 (HARMONIC ENHANCER 2)	81	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
TEMPO DELAY	21	0
TEMPO ECHO	21	8
TEMPO CROSS	22	0
DIST HEAVY	73	0
OVERDRIVE	74	0
DIST HARD (DISTORTION HARD)	75	16
DIST HARD2	75	22
DIST SOFT (DISTORTION SOFT)	75	17
DIST SOFT2	75	23
AMP SIM (AMP SIMULATOR)	75	0
ST AMP2	75	21
COMPRESSOR	83	0
NOISE GATE	84	0
PHASER1	72	0
EP PHASER1	72	17
EP PHASER2	72	18
EP PHASER3	72	16
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
AUTO PAN1	71	16
AUTO PAN2	71	0
EP AUTOPAN	71	21
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
EP TREMOLO	70	18
GT TREMOLO1	71	20
GT TREMOLO2	70	19
AUTO WAH1	78	16
AUTO WAH2	78	0
TOUCH WAH1	82	0
TOUCH WAH2	82	8
THRU	64	0

PSR-1100 Variation

Effect Name	Type MSB	Type LSB
HALL1	1	0
HALL2	1	16
HALL3	1	17
HALL4	1	18
HALL5	1	1
ROOM1	2	16
ROOM2	2	17
ROOM3	2	18
ROOM4	2	19
ROOM5	2	0
ROOM6	2	1
ROOM7	2	2
STAGE1	3	16
STAGE2	3	17
STAGE3	3	0
STAGE4	3	1
PLATE1	4	16
PLATE2	4	17
PLATE3	4	0
CHORUS1	66	17
CHORUS2	66	8
CHORUS3	66	16
CHORUS4	66	1
CHORUS5	65	2
CHORUS6	65	0
CHORUS7	65	1
CHORUS8	65	8
CELESTE1	66	0
CELESTE2	66	2
SYMPHONIC1	68	16
SYMPHONIC2	68	0
KARAOKE1	20	0
KARAOKE2	20	1
KARAOKE3	20	2
ER1	9	0
ER2	9	1
GATE REVERB	10	0
REVERS GATE	11	0
EQ DISCO	76	16
EQ TEL	76	17
2BAND EQ	77	0
3BAND EQ	76	0
FLANGER1	67	8
FLANGER2	67	16
FLANGER3	67	17
FLANGER4	67	1
FLANGER5	67	0
DELAY LCR1	5	16
DELAY LCR2	5	0
DELAY LR	6	0
ECHO	7	0
CROSS DELAY	8	0
DIST HEAVY	73	0
OVERDRIVE	74	0
DIST HARD (DISTORTION HARD)	75	16
DIST HARD2	75	22
DIST HARD3	75	25
DIST SOFT (DISTORTION SOFT)	75	17
DIST SOFT2	75	23
AMP SIM (AMP SIMULATOR)	75	0
ST AMP2	75	21
ST AMP3	75	24
PHASER1	72	0
PHASER2	72	8
EP PHASER1	72	17
EP PHASER2	72	16
ROTARY SP1	69	16
ROTARY SP2	71	17
ROTARY SP3	71	18
ROTARY SP4	70	17
ROTARY SP5	66	18
ROTARY SP6	69	0
ROTARY SP7	71	22
ROTARY SP8	69	17
ROTARY SP9	66	19
ROTARY SP10	71	25
AUTO PAN1	71	16
AUTO PAN2	71	0
AUTO PAN3	71	23
EP AUTOPAN	71	21
EP AUTOPAN2	71	24
TREMOLO1	70	16
TREMOLO2	71	19
TREMOLO3	70	0
TREMOLO4	70	20
EP TREMOLO	70	18
EP TREMOLO2	70	21
GT TREMOLO1	71	20
AUTO WAH1	78	16
AUTO WAH2	78	0
AUTO WAH3	78	19
AUTO WAH4	78	20
THRU	64	0

Effect Parameter List / Liste der Effektparameter / Liste des paramètres d'effets / Lista de parámetros de efectos

If a table has no LSB number specified, the table applies for any LSB numbers.
Parameters marked with a ● in the Control column can be controlled from an AC1 (assignable controller 1) etc. However, this is valid only for a Variation effect (when selected for Insertion).

MSB = 1
MSB = 2
MSB = 3
MSB = 4

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3 – 30.0s	0 – 69	table#4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1mS – 99.3mS	0 – 63	table#5	
4	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
5	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Rev Delay	0.1mS – 99.3mS	0 – 63	table#5	
12	Density	0 – 4 (rev, var)	0 – 4		
		0 – 2 (ins1-3) (*1)	0 – 2		
13	Er/Rev Balance	E63>R – E=R – E<R63	1 – 127		
14	High Damp (*1)	0.1 – 1.0	1 – 10		
15	Feedback Level	-63 – +63	1 – 127		
16					

MSB = 5

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
2	Rch Delay	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
3	Cch Delay	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
4	Feedback Delay	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
5	Feedback Level	-63 – +63	1 – 127		
6	Cch Level	0 – 127	0 – 127		
7	High Damp	0.1 – 1.0	1 – 10		
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

MSB = 6

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
2	Rch Delay	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
3	Feedback Delay 1	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
4	Feedback Delay 2	0.1 – 1486.0ms (*2)	1 – 14860		
		0.1 – 715.0ms (*3)	1 – 7150		
5	Feedback Level	-63 – +63	1 – 127		
6	High Damp	0.1 – 1.0	1 – 10		
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

MSB = 7

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay1	0.1 – 743.0ms (*2)	1 – 7430		
		0.1 – 355.0ms (*3)	1 – 3550		
2	Lch Feedback Level	-63 – +63	1 – 127		
3	Rch Delay1	0.1 – 743.0ms (*2)	1 – 7430		
		0.1 – 355.0ms (*3)	1 – 3550		
4	Rch Feedback Level	-63 – +63	1 – 127		
5	High Damp	0.1 – 1.0	1 – 10		
6	Lch Delay2	0.1 – 743.0ms (*2)	1 – 7430		
		0.1 – 355.0ms (*3)	1 – 3550		
7	Rch Delay2	0.1 – 743.0ms (*2)	1 – 7430		
		0.1 – 355.0ms (*3)	1 – 3550		
8	Delay2 Level	0 – 127	0 – 127		
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

MSB = 8

No.	Parameter	Display	Value	See Table	Control
1	L→R Delay	0.1 – 743.0ms (*2)	1 – 7430		
		0.1 – 355.0ms (*3)	1 – 3550		
2	R→L Delay	0.1 – 743.0ms (*2)	1 – 7430		
		0.1 – 355.0ms (*3)	1 – 3550		
3	Feedback Level	-63 – +63	1 – 127		
4	Input Select	L, R, L&R	0 – 2		
5	High Damp	0.1 – 1.0	1 – 10		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

MSB = 9

No.	Parameter	Display	Value	See Table	Control
1	Type	S-H, L-H, Rdm, Rvs, Plt, Spr	0 – 5		
2	Room Size	0.1 – 7.0	0 – 44	table#6	
3	Diffusion	0 – 10	0 – 10		
4	Initial Delay	0.1mS – 200.0mS	0 – 127	table#5	
5	Feedback Level	-63 – +63	1 – 127		
6	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
7	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Liveness	0 – 10	0 – 10		
12	Density	0 – 3	0 – 3		
13	High Damp	0.1 – 1.0	1 – 10		
14					
15					
16					

MSB = 10
MSB = 11

No.	Parameter	Display	Value	See Table	Control
1	Type	TypeA,TypeB	0 – 1		
2	Room Size	0.1 – 7.0	0 – 44	table#6	
3	Diffusion	0 – 10	0 – 10		
4	Initial Delay	0.1mS – 200.0mS	0 – 127	table#5	
5	Feedback Level	-63 – +63	1 – 127		
6	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
7	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Liveness	0 – 10	0 – 10		
12	Density	0 – 3	0 – 3		
13	High Damp	0.1 – 1.0	1 – 10		
14					
15					
16					

MSB = 16
MSB = 17
MSB = 18
MSB = 19

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3 – 30.0s	0 – 69	table#4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1mS – 99.3mS	0 – 63	table#5	
4	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
5	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
6	Width	0.5 – 10.2m	0 – 37	table#11	
7	Heigt	0.5 – 20.2m	0 – 73	table#11	
8	Depth	0.5 – 30.2m	0 – 104	table#11	
9	Wall Vary	0 – 30	0 – 30		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Rev Delay	0.1mS – 99.3mS	0 – 63	table#5	
12	Density (*1)	0 – 4	0 – 4		
13	Er/Rev Balance (*1)	E63>R – E=R – E<R63	1 – 127		
14	High Damp (*1)	0.1 – 1.0	1 – 10		
15	Feedback Level (*1)	-63 – +63	1 – 127		
16					

MSB = 20

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1mS – 400.0mS	0 – 127	table#7	
2	Feedback Level	-63 – +63	1 – 127		
3	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
4	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
5					
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

MSB = 21

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Feedback Level	-63 – +63	1 – 127		
3	Feedback High Dump	0 – 1.0	0 – 10		
4	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
5	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11					
12					
13	EQ Low Frequency	32 – 2.0kH	4 – 40		
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500 – 16.0kHz	28 – 58		
16	EQ High Gain	-12 – +12dB	52 – 76		

MSB = 22

No.	Parameter	Display	Value	See Table	Control
1	Delay Time L>R	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Time R>L	64th/3 – 4thx6	0 – 19	table#14	
3	Feedback Level	-63 – +63	1 – 127		
4	Input Select	L, R, L&R	0 – 2		
5	Feedback High Dump	0 – 1.0	0 – 10		
6	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11					
12					
13	EQ Low Frequency	32 – 2.0kH	4 – 40		
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500 – 16.0kHz	28 – 58		
16	EQ High Gain	-12 – +12dB	52 – 76		

MSB = 65
MSB = 66

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Feedback Level	-63 – +63	1 – 127		
4	Delay Offset	0.0mS – 50mS	0 – 127	table#2	
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15	Input Mode	mono/stereo	0 – 1		
16					

MSB = 67

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Feedback Level	-63 – +63	1 – 127		
4	Delay Offset	0.0mS – 50mS	0 – 127	table#2	
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15					
16					

MSB = 68

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Delay Offset	0.0mS – 50mS	0 – 127	table#2	
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15					
16					

MSB = 69, LSB = 0, 16, 17

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	LFO Depth	0 – 127	0 – 127		
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15					
16					

MSB = 69, LSB = 1
MSB = 69, LSB = 2

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequenct	0.0 – 39.7Hz	0 – 127		●
2	LFO Depth	0 – 127	0 – 127		
3					
4					
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cuttoff	1kHz – Thru	34 – 60		
16	Output Level	0 – 127	0 – 127		

MSB = 69, LSB = 3

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequenct	0.0 – 39.7Hz	0 – 127		●
2	LFO Depth	0 – 127	0 – 127		
3	AMP Type	Off, Stack, Combo, Tube	0 – 3		
4					
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cuttoff	1kHz – Thru	34 – 60		
16	Output Level	0 – 127	0 – 127		

MSB = 70

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	AM Depth	0 – 127	0 – 127		
3	PM Depth	0 – 127	0 – 127		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15	Input Mode	mono/stereo	0 – 1		
16					

MSB = 71

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	L/R Depth	0 – 127	0 – 127		
3	F/R Depth	0 – 127	0 – 127		
4	PAN Direction	L↔R, L→R, L←R, Lturn, Rturn, L/R	0 – 5		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	1.0 – 12.0	10 – 120		
14					
15					
16					

MSB = 72, LSB = 0, 16, 17, 18

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Phase Shift Offset	0 – 127	0 – 127		
4	Feedback Level	-63 – +63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Stage	4, 5, 6 (*5)	4 – 6		
		4 – 12 (*4)	4 – 12		
		6, 7, 8, 9, 10 (*6)	6 – 10		
12	Diffusion (*1)	mono/stereo	0 – 1		
13					
14					
15					
16					

MSB = 72, LSB = 8

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Phase Shift Offset	0 – 127	0 – 127		
4	Feedback Level	-63 – +63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Stage	3, 4, 5, 6 (*1)	3 – 6		
		3, 4, 5 (*6)	3 – 5		
12					
13	LFO Phase Difference	-180deg – +180deg (resolution=3deg.)	4 – 124		
14					
15					
16					

MSB = 73, LSB = 0
MSB = 74

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
3	EQ Low Gain	-12 – +12dB	52 – 76		
4	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
5	Output Level	0 – 127	0 – 127		
6					
7	EQ Mid Frequency	100Hz – 10.0kHz	14 – 54	table#3	
8	EQ Mid Gain	-12 – +12dB	52 – 76		
9	EQ Mid Width	1.0 – 12.0	10 – 120		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 (mild) – 127 (sharp)	0 – 127		
12					
13					
14					
15					
16					

MSB = 73, LSB = 1, 16

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
3	EQ Low Gain	-12 – +12dB	52 – 76		
4	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
5	Output Level	0 – 127	0 – 127		
6					
7	EQ Mid Frequency	100Hz – 10.0kHz	14 – 54	table#3	
8	EQ Mid Gain	-12 – +12dB	52 – 76		
9	EQ Mid Width	1.0 – 12.0	10 – 120		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 (mild) – 127 (sharp)	0 – 127		
12	Attack	1ms – 40ms	0 – 19	table#8	
13	Release	10ms – 680ms	0 – 15	table#9	
14	Threshold	-48dB – -6dB	79 – 121		
15	Ratio	1.0 – 20.0	0 – 7	table#10	
16					

MSB = 73, LSB = 8
MSB = 74, LSB = 8

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	EQ Low Frequency	32 – 2.0kHz	4 – 40	table#3	
3	EQ Low Gain	-12 – +12dB	52 – 76		
4	LPF Cuttoff	1kHz – Thru	34 – 60		
5	Output Level		0 – 127		
6					
7	EQ Mid Frequency	100 – 10.0kHz	14 – 54	table#3	
8	EQ Mid Gain	-12 – +12dB	52 – 76		
9	EQ Mid Width	1 – 12	10 – 120		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 – 127	0 – 127		
12					
13					
14					
15					
16					

MSB = 75

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	AMP Type	Off, Stack, Combo, Tube	0 – 3		
3	LPF Cutoff	1.0k – Thru	34 – 60	table#3	
4	Output Level	0 – 127	0 – 127		
5					
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Edge (Clip Curve)	0 (mild) – 127 (sharp)	0 – 127		
12					
13					
14					
15					
16					

MSB = 76

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Gain	-12 – +12dB	52 – 76		
2	EQ Mid Frequency	100Hz – 10.0kHz	14 – 54	table#3	
3	EQ Mid Gain	-12 – +12dB	52 – 76		
4	EQ Mid Width	1.0 – 12.0	10 – 120		
5	EQ High Gain	-12 – +12dB	52 – 76		
6	EQ Low Frequency	50Hz – 2.0kHz	8 – 40	table#3	
7	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
8					
9					
10					
11					
12					
13					
14					
15	Input Mode	mono/stereo	0 – 1		
16					

MSB = 77

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
2	EQ Low Gain	-12 – +12dB	52 – 76		
3	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
4	EQ High Gain	-12 – +12dB	52 – 76		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 78, LSB = 0, 16, 19, 20

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Cutoff Frequency Offset	0 – 127	0 – 127		●
4	Resonance	1.0 – 12.0	10 – 120		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive (*4)	0 – 127	0 – 127		
12					
13					
14					
15					
16					

MSB = 78, LSB = 1, 17
MSB = 78, LSB = 2, 18

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127		
3	Cutoff Frequency Offset	0 – 127	0 – 127		●
4	Resonance	1.0 – 12.0	10 – 120		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive	0 – 127	0 – 127		
12	EQ Low Gain (distortion)	-12 – +12dB	52 – 76		
13	EQ Mid Gain (distortion)	-12 – +12dB	52 – 76		
14	LPF Cutoff	1.0kHz – thru	34 – 60	table#3	
15	Output Level	0 – 127	0 – 127		
16					

MSB = 80, LSB = 0, 16

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24 – +24	40 – 88		
2	Initial Delay	0.1mS – 400.0mS	0 – 127	table#7	
3	Fine 1	-50 – +50	14 – 114		
4	Fine 2	-50 – +50	14 – 114		
5	Feedback Level	-63 – +63	1 – 127		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Pan 1	L63 – R63	1 – 127		
12	Output Level 1	0 – 127	0 – 127		
13	Pan 2	L63 – R63	1 – 127		
14	Output Level 2	0 – 127	0 – 127		
15					
16					

MSB = 80, LSB = 1

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24 – +24	40 – 88		
2	Initial Delay	0.1mS – 400.0mS	0 – 127	table#7	
3	Fine 1	-50 – +50cent	14 – 114		
4	Fine 2	-50 – +50cent	14 – 114		
5	Feedback Level	-63 – +63	1 – 127		
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Pan 1	L63 – R63	1 – 127		
12	Output Level 1	0 – 127	0 – 127		
13	Pan 2	L63 – R63	1 – 127		
14	Output Level 2	0 – 127	0 – 127		
15					
16					

MSB = 81

No.	Parameter	Display	Value	See Table	Control
1	HPF Cutoff	500Hz – 16.0kHz	28 – 58		
2	Drive	0 – 127	0 – 127		
3	Mix Level	0 – 127	0 – 127		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 82, LSB = 0
MSB = 82, LSB = 1, 16

No.	Parameter	Display	Value	See Table	Control
1	Sensitive	0 – 127	0 – 127		
2	Cutoff Frequency Offset	0 – 127	0 – 127		●
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive	0 – 127 (var/ins1-4 block)	0 – 127		
12					
13					
14					
15					
16					

MSB = 82, LSB = 8
MSB = 82, LSB = 2, 17, 18, 19

No.	Parameter	Display	Value	See Table	Control
1	Sensitive	0 – 127	0 – 127		
2	Cutoff Frequency Offset	0 – 127	0 – 127		●
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		
11	Drive	0 – 127 (*4)	0 – 127		
12	EQ Low Gain(distortion)	-12 – +12dB (*4)	52 – 76		
13	EQ Mid Gain(distortion)	-12 – +12dB (*4)	52 – 76		
14	LPF Cutoff	1.0kHz – thru (*4)	34 – 60	table#3	
15	Output Level	0 – 127 (*4)	0 – 127		
16	Release	10 – 680mS (*4)	52 – 67	table#12	

MSB = 83

No.	Parameter	Display	Value	See Table	Control
1	Attack	1 – 40ms	0 – 19	table#8	
2	Release	10 – 680ms	0 – 15	table#9	
3	Threshold	-48 – -6dB	79 – 121		
4	Ratio	1.0 – 20.0	0 – 7	table#10	
5	Output Level	0 – 127	0 – 127		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 84

No.	Parameter	Display	Value	See Table	Control
1	Attack	1 – 40ms	0 – 19	table#8	
2	Release	10 – 680ms	0 – 15	table#9	
3	Threshold	-72 – -30dB	55 – 97		
4	Output Level	0 – 127	0 – 127		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 85

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	Low Adjust	0 – 26	0 – 26		
12	High Adjust	0 – 26	0 – 26		
13					
14					
15					
16					

MSB = 86, LSB = 0

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0Hz – 39.7Hz	0 – 127	table#1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High	L63>H – L=H – L<H63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100Hz – 10.0kHz	14 – 54	table#3	
12	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0 – 60		
13					
14					
15					
16					

MSB = 86, LSB = 1
MSB = 86, LSB = 2

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0 – 39.7Hz	0 – 127		●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100 – 10.0kHz	14 – 54		
12	Mic L-R Angle	0 – 180deg	0 – 60		
13					
14	Drive		0 – 127		
15	LPF Cuttoff	1kHz – Thru	34 – 60		
16	Output Level		0 – 127		

MSB = 86, LSB = 3

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0 – 39.7Hz	0 – 127		●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
5					
6	EQ Low Frequency	32 – 2.0kHz	4 – 40		
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500 – 16.0kHz	28 – 58		
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100 – 10.0kHz	14 – 54		
12	Mic L-R Angle	0 – 180deg	0 – 60		
13	AMP Type	Off, Stack, Combo, Tube (AMPSIM only)	0 – 3		
14	Drive		0 – 127		
15	LPF Cuttoff	1kHz – Thru	34 – 60		
16	Output Level		0 – 127		

MSB = 87

No.	Parameter	Display	Value	See Table	Control
1	Detune	-50 – +50cent	14 – 114		
2	Lch Init Delay	0.0mS – 50mS	0 – 127	table#2	
3	Rch Init Delay	0.0mS – 50mS	0 – 127	table#2	
4					
5					
6					
7					
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	EQ Low Frequency	32Hz – 2.0kHz (variation, insertion block)	4 – 40	table#3	
12	EQ Low Gain	-12 – +12dB (variation, insertion block)	52 – 76		
13	EQ High Frequency	500Hz – 16.0kHz (variation, insertion block)	28 – 58	table#3	
14	EQ High Gain	-12 – +12dB (variation, insertion block)	52 – 76		
15					
16					

MSB = 88

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.0mS – 50mS	0 – 127	table#2	
2	Output Phase	normal/invers	0 – 1		
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

MSB = 93

No.	Parameter	Display	Value	See Table	Control
1	Vowel	a, i, u, e, o	0 – 4		●
2	Move speed	1 – 62	1 – 62		
3	Drive	0 – 127	0 – 127		
4	Output Level	0 – 127	0 – 127		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 94

No.	Parameter	Display	Value	See Table	Control
1	Sampling Freq Control	44.1kHz – 345Hz	0 – 127	table#13	
2	Word Length	1 – 127	1 – 127		
3	Output Gain	-6 – +12dB	0 – 18		
4	LPF Cutoff	63Hz – Thru	10 – 60	table#3	
5	Filter Type	Thru, PowerBass, Radio, Tel, Clean, Low	0 – 5		
6	LPF Resonance	1.0 – 12.0	10 – 120		
7	Bit Assign	0 – 6	0 – 6		
8	Emphasis	Off/On	0 – 1		
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15	Input Mode	mono/stereo			
16					

MSB = 95

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay Time	0.1 – 1486.0ms	1 – 14860		
2	Rch Delay Time	0.1 – 1486.0ms	1 – 14860		
3	Delay Feedback Time	0.1 – 1486.0ms	1 – 14860		
4	Delay Feedback Level	-63 – +63	1 – 127		
5	Delay Mix	0 – 127	0 – 127		
6	Dist Drive	0 – 127	0 – 127		
7	Dist Output Level	0 – 127	0 – 127		
8	Dist EQ Low Gain	-12 – +12dB	52 – 76		
9	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

MSB = 96

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1 – 1486.0ms	1 – 14860		
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Comp. Attack	1ms – 40ms	0 – 19	table#8	
12	Comp. Release	10ms – 680ms	0 – 15	table#9	
13	Comp. Threshold	-48dB – -6dB	79 – 121		
14	Comp. Ratio	1.0 – 20.0	0 – 7	table#10	
15					
16					

MSB = 97

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1 – 1486.0ms	1 – 14860		
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8					
9					
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Wah Sensitive	0 – 127	0 – 127		
12	Wah Cutoff Freq Offset	0 – 127	0 – 127		
13	Wah Resonance	1.0 – 12.0	10 – 120		
14	Wah Release	10 – 680ms	52 – 67	table#12	
15					
16					

MSB = 98, LSB = 0
MSB = 98, LSB = 2

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6					
7					
8					
9					
10	Dry/Wet Balance Balance	D63>W – D=W – D<W63	1 – 127		●
11					
12					
13					
14					
15					
16					

MSB = 98, LSB = 1
MSB = 98, LSB = 3

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6	Delay Time L	0.1ms – 1486.0ms	1 – 14860		
7	Delay Time R	0.1ms – 1486.0ms	1 – 14860		
8	Delay Feedback Time	0.1ms – 1486.0ms	1 – 14860		
9	Delay Feedback Level	-63 – +63	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Delay Mix	0 – 127	0 – 127		
12					
13					
14					
15					
16					

MSB = 99

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed Slow	0.0 – 2.65Hz	0 – 63	table#1	
2	Horn Speed Slow	0.0 – 2.65Hz	0 – 63	table#1	
3	Rotor Speed Fast	2.69 – 39.7Hz	64 – 127	table#1	
4	Horn Speed Fast	2.69 – 39.7Hz	64 – 127	table#1	
5	Slow-Fast Time of R	0 – 127	0 – 127		
6	Slow-Fast Time of H	0 – 127	0 – 127		
7	Drive Low	0 – 127	0 – 127		
8	Drive High	0 – 127	0 – 127		
9	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
10					
11	EQ Low Frequency	32 – 2.0kH	4 – 40	table#3	
12	EQ Low Gain	-12 – +12dB	52 – 76		
13	EQ High Frequency	500 – 16.0kHz	28 – 58	table#3	
14	EQ High Gain	-12 – +12dB	52 – 76		
15	Mic L-R Angle	0 – 180deg	0 – 60		
16	Speed Control	Slow/Fast	0/1		●

MSB = 100

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ High Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11					
12					
13					
14					
15					
16					

MSB = 101

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ High Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11	Comp. Attack	1ms – 40ms	0 – 19		
12	Comp. Release	10ms – 680ms	0 – 15		
13	Comp. Threshold	-48dB – -6dB	79 – 121		
14	Comp. Ratio	1.0 – 20.0	0 – 7		
15					
16					

MSB = 102

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127		
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127		
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ High Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W=63	1 – 127		●
11	Wah Sensitive	0 – 127	0 – 127		
12	Wah Cutoff Freq Offset	0 – 127	0 – 127		
13	Wah Resonance	1.0 – 12.0	10 – 120		
14	Wah Release	10 – 680mS	52 – 67		
15					
16					

MSB = 103

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transister/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
7	Delay Feedback Level	-63 – +63	1 – 127		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet Balance	D63>W – D=W – D<W63	1 – 127		●
11	Delay Mix	0 – 127	0 – 127		
12					
13					
14					
15					
16					

MSB = 0

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

MSB = 64

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Parameter 10 Dry/Wet Balance only affects insertion type effects.

*1
PSR-2100 only

*2
PSR-2100: Variation

*3
PSR-2100: Insertion 1 – 3
PSR-1100: Variation

*4
PSR-2100 Variation only

*5
PSR-2100 Chorus, Insertion only

*6
PSR-1100 only

Effect Data Assign Table / Effektdaten-Zuordnungstabelle / Tableau d'assignation des données d'effets / Tabla de asignación de datos para efectos

Table#1
LFO Frequency

Data	Value	Data	Value	Data	Value	Data	Value
0	0.00	32	1.35	64	2.69	96	8.41
1	0.04	33	1.39	65	2.78	97	8.75
2	0.08	34	1.43	66	2.86	98	9.08
3	0.13	35	1.47	67	2.94	99	9.42
4	0.17	36	1.51	68	3.03	100	9.76
5	0.21	37	1.56	69	3.11	101	10.1
6	0.25	38	1.60	70	3.20	102	10.8
7	0.29	39	1.64	71	3.28	103	11.4
8	0.34	40	1.68	72	3.37	104	12.1
9	0.38	41	1.72	73	3.45	105	12.8
10	0.42	42	1.77	74	3.53	106	13.5
11	0.46	43	1.81	75	3.62	107	14.1
12	0.51	44	1.85	76	3.70	108	14.8
13	0.55	45	1.89	77	3.87	109	15.5
14	0.59	46	1.94	78	4.04	110	16.2
15	0.63	47	1.98	79	4.21	111	16.8
16	0.67	48	2.02	80	4.37	112	17.5
17	0.72	49	2.06	81	4.54	113	18.2
18	0.76	50	2.10	82	4.71	114	19.5
19	0.80	51	2.15	83	4.88	115	20.9
20	0.84	52	2.19	84	5.05	116	22.2
21	0.88	53	2.23	85	5.22	117	23.6
22	0.93	54	2.27	86	5.38	118	24.9
23	0.97	55	2.31	87	5.55	119	26.2
24	1.01	56	2.36	88	5.72	120	27.6
25	1.05	57	2.40	89	6.06	121	28.9
26	1.09	58	2.44	90	6.39	122	30.3
27	1.14	59	2.48	91	6.73	123	31.6
28	1.18	60	2.52	92	7.07	124	33.0
29	1.22	61	2.57	93	7.40	125	34.3
30	1.26	62	2.61	94	7.74	126	37.0
31	1.30	63	2.65	95	8.08	127	39.7

Table#4
Reverb Time

Data	Value	Data	Value	Data	Value
0	0.3	32	3.5	64	17.0
1	0.4	33	3.6	65	18.0
2	0.5	34	3.7	66	19.0
3	0.6	35	3.8	67	20.0
4	0.7	36	3.9	68	25.0
5	0.8	37	4.0	69	30.0
6	0.9	38	4.1		
7	1.0	39	4.2		
8	1.1	40	4.3		
9	1.2	41	4.4		
10	1.3	42	4.5		
11	1.4	43	4.6		
12	1.5	44	4.7		
13	1.6	45	4.8		
14	1.7	46	4.9		
15	1.8	47	5.0		
16	1.9	48	5.5		
17	2.0	49	6.0		
18	2.1	50	6.5		
19	2.2	51	7.0		
20	2.3	52	7.5		
21	2.4	53	8.0		
22	2.5	54	8.5		
23	2.6	55	9.0		
24	2.7	56	9.5		
25	2.8	57	10.0		
26	2.9	58	11.0		
27	3.0	59	12.0		
28	3.1	60	13.0		
29	3.2	61	14.0		
30	3.3	62	15.0		
31	3.4	63	16.0		

Table#7
Delay Time (400.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	100.9	64	201.6	96	302.4
1	3.2	33	104.0	65	204.8	97	305.5
2	6.4	34	107.2	66	207.9	98	308.7
3	9.5	35	110.3	67	211.1	99	311.8
4	12.7	36	113.5	68	214.2	100	315.0
5	15.8	37	116.6	69	217.4	101	318.1
6	19.0	38	119.8	70	220.5	102	321.3
7	22.1	39	122.9	71	223.7	103	324.4
8	25.3	40	126.1	72	226.8	104	327.6
9	28.4	41	129.2	73	230.0	105	330.7
10	31.6	42	132.4	74	233.1	106	333.9
11	34.7	43	135.5	75	236.3	107	337.0
12	37.9	44	138.6	76	239.4	108	340.2
13	41.0	45	141.8	77	242.6	109	343.3
14	44.2	46	144.9	78	245.7	110	346.5
15	47.3	47	148.1	79	248.9	111	349.6
16	50.5	48	151.2	80	252.0	112	352.8
17	53.6	49	154.4	81	255.2	113	355.9
18	56.8	50	157.5	82	258.3	114	359.1
19	59.9	51	160.7	83	261.5	115	362.2
20	63.1	52	163.8	84	264.6	116	365.4
21	66.2	53	167.0	85	267.7	117	368.5
22	69.4	54	170.1	86	270.9	118	371.7
23	72.5	55	173.3	87	274.0	119	374.8
24	75.7	56	176.4	88	277.2	120	378.0
25	78.8	57	179.6	89	280.3	121	381.1
26	82.0	58	182.7	90	283.5	122	384.3
27	85.1	59	185.9	91	286.6	123	387.4
28	88.3	60	189.0	92	289.8	124	390.6
29	91.4	61	192.2	93	292.9	125	393.7
30	94.6	62	195.3	94	296.1	126	396.9
31	97.7	63	198.5	95	299.2	127	400.0

Table#12
Wah Release Time

Data	Value
52	10.0
53	15.0
54	25.0
55	35.0
56	45.0
57	55.0
58	65.0
59	75.0
60	85.0
61	100.0
62	115.0
63	140.0
64	170.0
65	230.0
66	340.0
67	680.0

Table#2
Modulation Delay Offset

Data	Value	Data	Value	Data	Value	Data	Value
0	0.0	32	3.2	64	6.4	96	9.6
1	0.1	33	3.3	65	6.5	97	9.7
2	0.2	34	3.4	66	6.6	98	9.8
3	0.3	35	3.5	67	6.7	99	9.9
4	0.4	36	3.6	68	6.8	100	10.0
5	0.5	37	3.7	69	6.9	101	11.1
6	0.6	38	3.8	70	7.0	102	12.2
7	0.7	39	3.9	71	7.1	103	13.3
8	0.8	40	4.0	72	7.2	104	14.4
9	0.9	41	4.1	73	7.3	105	15.5
10	1.0	42	4.2	74	7.4	106	17.1
11	1.1	43	4.3	75	7.5	107	18.6
12	1.2	44	4.4	76	7.6	108	20.2
13	1.3	45	4.5	77	7.7	109	21.8
14	1.4	46	4.6	78	7.8	110	23.3
15	1.5	47	4.7	79	7.9	111	24.9
16	1.6	48	4.8	80	8.0	112	26.5
17	1.7	49	4.9	81	8.1	113	28.0
18	1.8	50	5.0	82	8.2	114	29.6
19	1.9	51	5.1	83	8.3	115	31.2
20	2.0	52	5.2	84	8.4	116	32.8
21	2.1	53	5.3	85	8.5	117	34.3
22	2.2	54	5.4	86	8.6	118	35.9
23	2.3	55	5.5	87	8.7	119	37.5
24	2.4	56	5.6	88	8.8	120	39.0
25	2.5	57	5.7	89	8.9	121	40.6
26	2.6	58	5.8	90	9.0	122	42.2
27	2.7	59	5.9	91	9.1	123	43.7
28	2.8	60	6.0	92	9.2	124	45.3
29	2.9	61	6.1	93	9.3	125	46.9
30	3.0	62	6.2	94	9.4	126	48.4
31	3.1	63	6.3	95	9.5	127	50.0

Table#5
Delay Time (200.0ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	50.5	64	100.8	96	151.2
1	1.7	33	52.0	65	102.4	97	152.8
2	3.2	34	53.6	66	104.0	98	154.4
3	4.8	35	55.2	67	105.6	99	155.9
4	6.4	36	56.8	68	107.1	100	157.5
5	8.0	37	58.3	69	108.7	101	159.1
6	9.5	38	59.9	70	110.3	102	160.6
7	11.1	39	61.5	71	111.9	103	162.2
8	12.7	40	63.1	72	113.4	104	163.8
9	14.3	41	64.6	73	115.0	105	165.4
10	15.8	42	66.2	74	116.6	106	166.9
11	17.4	43	67.8	75	118.2	107	168.5
12	19.0	44	69.4	76	119.7	108	170.1
13	20.6	45	70.9	77	121.3	109	171.7
14	22.1	46	72.5	78	122.9	110	173.2
15	23.7	47	74.1	79	124.4	111	174.8
16	25.3	48	75.7	80	126.0	112	176.4
17	26.9	49	77.2	81	127.6	113	178.0
18	28.4	50	78.8	82	129.2	114	179.5
19	30.0	51	80.4	83	130.7	115	181.1
20	31.6	52	81.9	84	132.3	116	182.7
21	33.2	53	83.5	85	133.9	117	184.3
22	34.7	54	85.1	86	135.5	118	185.8
23	36.3	55	86.7	87	137.0	119	187.4
24	37.9	56	88.2	88	138.6	120	189.0
25	39.5	57	89.8	89	140.2	121	190.6
26	41.0	58	91.4	90	141.8	122	192.1
27	42.6	59	93.0	91	143.3	123	193.7
28	44.2	60	94.5	92	144.9	124	195.3
29	45.7	61	96.1	93	146.5	125	196.9
30	47.3	62	97.7	94	148.1	126	198.4
31	48.9	63	99.3	95	149.6	127	200.0

Table#8
Compressor Attack Time

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40

Table#9
Compressor Release Time

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680

Table#10
Compressor Ratio

Data	Value
0	1.0
1	1.5
2	2.0
3	3.0
4	5.0
5	7.0
6	10.0
7	20.0

Table#13
Sampling Freq Control

Data	Value	Data	Value	Data	Value	Data	Value
0	44.1K	32	1.34K	64	678.0	96	455.0
1	22.1K	33	1.30K	65	668.0	97	450.0
2	14.7K	34	1.26K	66	658.0	98	445.0
3	11.0K	35	1.23K	67	649.0	99	441.0
4	8.8K	36	1.19K	68	639.0	100	437.0
5	7.4K	37	1.16K	69	630.0	101	432.0
6	6.3K	38	1.13K	70	621.0	102	428.0
7	5.5K	39	1.10K	71	613.0	103	424.0
8	4.9K	40	1.08K	72	604.0	104	420.0
9	4.5K	41	1.05K	73	596.0	105	416.0
10	4.0K	42	1.03K	74	588.0	106	412.0
11	3.7K	43	1.00K	75	580.0	107	408.0
12	3.4K	44	980.0	76	573.0	108	405.0
13	3.2K	45	959.0	77	565.0	109	401.0
14	2.9K	46	938.0	78	558.0	110	397.0
15	2.8K	47	919.0	79	551.0	111	394.0
16	2.6K	48	900.0	80	544.0	112	390.0
17	2.5K	49	882.0	81	538.0	113	387.0
18	2.3K	50	865.0	82	531.0	114	383.0
19	2.2K	51	848.0	83	525.0	115	380.0
20	2.1K	52	832.0	84	519.0	116	377.0
21	2.0K	53	817.0	85	513.0	117	374.0
22	1.92K	54	802.0	86	507.0	118	371.0
23	1.84K	55	788.0	87	501.0	119	368.0
24	1.76K	56	774.0	88	496.0	120	364.0
25	1.70K	57	760.0	89	490.0	121	361.0
26	1.63K	58	747.0	90	485.0	122	359.0
27	1.58K	59	735.0	91	479.0	123	356.0
28	1.52K	60	723.0	92	474.0	124	353.0
29	1.47K	61	711.0	93	469.0	125	350.0
30	1.42K	62	700.0	94	464.0	126	347.0
31	1.38K	63	689.0	95	459.0	127	345.0

Table#3
EQ Frequency

Data	Value	Data	Value
0	THRU(0)	32	800
1	22	33	900
2	25	34	1.0k
3	28	35	1.1k
4	32	36	1.2k
5	36	37	1.4k
6	40	38	1.6k
7	45	39	1.8k
8	50	40	2.0k
9	56	41	2.2k
10	63	42	2.5k
11	70	43	2.8k
12	80	44	3.2k
13	90	45	3.6k
14	100	46	4.0k
15	110	47	4.5k
16	125	48	5.0k
17	140	49	5.6k
18	160	50	6.3k
19	180	51	7.0k
20	200	52	8.0k
21	225	53	9.0k
22	250	54	10.0k
23	280	55	11.0k
24	315	56	12.0k
25	355	57	14.0k
26	400	58	16.0k
27	450	59	18.0k
28	500	60	THRU(20.0k)
29	560		
30	630		
31	700		

Table#6
Room Size

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	5.1	64	10.1	96	15.1
1	0.3	33	5.3	65	10.3	97	15.3
2	0.4	34	5.4	66	10.4	98	15.5
3	0.6	35	5.6	67	10.6	99	15.6
4	0.7	36	5.7	68	10.8	100	15.8
5	0.9	37	5.9	69	10.9	101	15.9
6	1.0	38	6.1	70	11.1	102	16.1
7	1.2	39	6.2	71	11.2	103	16.2
8	1.4	40	6.4	72	11.4	104	16.4
9	1.5	41	6.5	73	11.5	105	16.6
10	1.7	42	6.7	74	11.7	106	16.7
11	1.8	43	6.8	75	11.9	107	16.9
12	2.0	44	7.0	76	12.0	108	17.0
13	2.1	45	7.2	77	12.2	109	17.2
14	2.3	46	7.3	78	12.3	110	17.3
15	2.5	47	7.5	79	12.5	111	17.5
16	2.6	48	7.6	80	12.6	112	17.6
17	2.8	49	7.8	81	12.8	113	17.8
18	2.9	50	7.9	82	12.9	114	18.0
19	3.1	51	8.1	83	13.1	115	18.1
20	3.2	52	8.2	84	13.3	116	18.3
21	3.4	53	8.4	85	13.4	117	18.4
22	3.5	54	8.6	86	13.6	118	18.6
23	3.7	55	8.7	87	13.7	119	18.7
24	3.9	56	8.9	88	13.9	120	18.9
25	4.0	57	9.0	89	14.0	121	19.1
26	4.2	58	9.2	90	14.2	122	19.2
27	4.3	59	9.3	91	14.4	123	19.4
28	4.5	60	9.5	92	14.5	124	19.5
29	4.6	61	9.7	93	14.7	125	19.7
30	4.8	62	9.8	94	14.8	126	19.8
31	5.0	63	10.0	95	15.0	127	20.0

Table#11
Reverb Width; Depth; Height

Data	Value	Data	Value	Data	Value	Data	Value
0	0.5	32	8.8	64	17.6	96	27.5
1	0.8	33	9.1	65	17.9	97	27.8
2	1.0	34	9.4	66	18.2	98	28.1
3	1.3	35	9.6	67	18.5	99	28.5
4	1.5	36	9.9	68	18.8	100	28.8
5	1.8	37	10.2	69	19.1	101	29.2
6	2.0	38	10.4	70	19.4	102	29.5
7	2.3	39	10.7	71	19.7	103	29.9
8	2.6	40	11.0	72	20.0	104	30.2
9	2.8	41	11.2	73	20.2		
10	3.1	42	11.5	74	20.5		
11	3.3	43	11.8	75	20.8		
12	3.6	44	12.1	76	21.1		
13	3.9	45	12.3	77	21.4		
14	4.1	46	12.6	78	21.7		
15	4.4	47	12.9	79	22.0		
16	4.6	48	13.1	80	22.4		
17	4.9	49	13.4	81	22.7		
18	5.2	50	13.7	82	23.0		
19	5.4	51	14.0	83	23.3		
20	5.7	52	14.2	84	23.6		
21	5.9	53	14.5	85	23.9		
22	6.2	54	14.8	86	24.2		
23	6.5	55	15.1	87	24.5		
24	6.7	56	15.4	88	24.9		
25	7.0	57	15.6	89	25.2		
26	7.2	58	15.9	90	25.5		
27	7.5	59	16.2	91	25.8		
28	7.8	60	16.5	92	26.1		
29	8.0	61	16.8	93	26.5		
30	8.3	62	17.1	94	26.8		
31	8.6	63	17.3	95	27.1		

Table#14
Tempo Delay

Data	Value	Data	Value	Data	Value
0	64th/3	32	4thX19	64	4thX51
1	64th.	33	4thX20	65	4thX52
2	32th	34	4thX21	66	4thX53
3	32th/3	35	4thX22	67	4thX54
4	32th.	36	4thX23	68	4thX55
5	16th	37	4thX24	69	4thX56
6	16th/3	38	4thX25	70	4thX57
7	16th.	39	4thX26	71	4thX58
8	8th	40	4thX27	72	4thX59
9	8th/3	41	4thX28	73	4thX60
10	8th.	42	4thX29	74	4thX61
11	4th	43	4thX30	75	4thX62
12	4th/3	44	4thX31	76	4thX63
13	4th.	45	4thX32	77	4thX64
14	2nd	46	4thX33		
15	2nd/3	47	4thX34		
16	2nd.	48	4thX35		
17	4thX4	49	4thX36		
18	4thX5	50	4thX37		
19	4thX6	51	4thX38		
20	4thX7	52	4thX39		
21	4thX8	53	4thX40		
22	4thX9	54	4thX41		
23	4thX10	55	4thX42		
24	4thX11	56	4thX43		
25	4thX12	57	4thX44		
26	4thX13	58	4thX45		
27	4thX14	59	4thX46		
28	4thX15	60	4thX47		
29	4thX16	61	4thX48		
30	4thX17	62	4thX49		
31	4thX18	63	4thX50		

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Harmony/Echo Type List
Liste der Harmony/Echo-Effekttypen
Liste des types d'harmonie/d'écho
Lista de tipos de ecos/armonías

STANDARD DUET
STANDARD TRIO
FULL CHORD
ROCK DUET
COUNTRY DUET
COUNTRY TRIO
BLOCK
4-WAY CLOSE 1
4-WAY CLOSE 2
4-WAY OPEN
1+5
OCTAVE
STRUM
MULTI ASSIGN
ECHO
TREMOLO
TRILL

Vocal Harmony Type List
Liste der Vocal-Harmony-Effekttypen
Liste des types d'harmonie vocale
Lista de tipos de armonía
(PSR-2100 only)

Display Name	Harmony Type	Mode
Std Duet	Standard Duet	Chordal/Vocoder
Girl Duet	Girl in Duet	Chordal/Vocoder
Lisa&Tina	Lisa and Tina	Chordal/Vocoder
Sing B+G	Sing B+G	Chordal/Vocoder
Dream Girls	Dream Girls	Chordal/Vocoder
MenChoir	Men Choir	Chordal/Vocoder
WomenChoir	Women Choir	Chordal/Vocoder
ClosedChoir	Closed Choir	Chordal/Vocoder
MixedChoir	Mixed Choir	Chordal/Vocoder
CountryMen	Country Men	Chordal/Vocoder
CntryGirls	Country Girls	Chordal/Vocoder
Barbershop	Barbershop	Chordal/Vocoder
JazzMenCho	JazzMenChoir	Chordal/Vocoder
J_WomenCho	JazzWomenCho	Chordal/Vocoder
J_CloseCho	JazzClosedCho	Chordal/Vocoder
J_MixedCho	JazzMixedCho	Chordal/Vocoder
DiatncJazz	Diatonic Jazz	Chordal/Vocoder
DiatncGirl	Diatonic Girl	Chordal/Vocoder
ACapellBoy	A Capella Boy	Chordal/Vocoder
ACapellaMix	A Capella Mix	Chordal/Vocoder
ACapellaDia	A Capella Dia	Chordal/Vocoder
FalsetDuet	Falsetto Duet	Chordal/Vocoder
FalsettTrio	Falsetto Trio	Chordal/Vocoder
FalsettoDia	Falsetto Dia	Chordal/Vocoder
FalsetJazz	Falsetto Jazz	Chordal/Vocoder
FalACapella	Fal A Capella	Chordal/Vocoder
2UnisonLow	2 Unison Low	Chordal/Vocoder
2UnisonHigh	2 Unison High	Chordal/Vocoder
3UnisonLow	3 Unison Low	Chordal/Vocoder
3UnisonHigh	3 Unison High	Chordal/Vocoder
Voice&Inst	Voice & Inst	Chordal/Vocoder
ChordalXG	ChordalXG	Chordal/Vocoder
VocodAutoU	Vocoder Auto Upper	Chordal/Vocoder
VocodAutoL	Vocoder Auto Lower	Chordal/Vocoder
VocodModeU	Vocoder Mode Upper	Chordal/Vocoder
VocodModeL	Vocoder Mode Lower	Chordal/Vocoder
VocodGirlU	Vocoder Girl Upper	Chordal/Vocoder
VocodGirlL	Vocoder Girl Lower	Chordal/Vocoder
VocodPichU	Vocoder Pitch Upper	Chordal/Vocoder
VocodPichL	Vocoder Pitch Lower	Chordal/Vocoder
KaraokAuto	Karaoke Auto	Chordal/Vocoder
KaraokMode	Karaoke Mode	Chordal/Vocoder
KaraokGirl	Karaoke Girl	Chordal/Vocoder
KaraokPich	Karaoke Pitch	Chordal/Vocoder
VocoderXG	VocoderXG	Chordal/Vocoder
SingBass	Sing the Bass	Chromatic
SpdyMouse	Speedy Mouse	Chromatic
ChromatXG	ChromaticXG	Chromatic
DetuneXG	DetuneXG	Detune
Thru	Thru	-

Vocal harmony types that have "Chordal/Vocoder" in the Mode column can be used in either Chordal or Vocoder Mode.

Parameter Chart / Parametertabelle / Tableau des paramètres / Gráfico de parámetros

Settings are saved/called up for each type.

Data Type	The data is saved…	The data is called up…	Saved Location
Setup	When you change settings in a display page and then exit from the page.	When you turn off the power and then turn on the power.	System area of the internal memory (Flash Memory)
Voice	When you change settings in the Voice Set display and then save the data as Voice file.	When you call up a voice.	Voice File
Song	When you save the recorded or edited (current) song as a Song file.	When you call up a song, play a song or move the song position.	Song File
Style	When you save the recorded or edited data as a Style file.	When you call up a style.	Style File
OTS	When you memorize settings with the REGISTARATION buttons and then save the current style as a Style file.	When you call up an OTS by pressing one of OTS buttons.	
Regist.	When you memorize settings with the REGISTARATION buttons and then save the data as a Registaration Bank File.	When you call up an Regist. by pressing one of REGISTRATION MEMORY buttons.	Registration Bank File

If parameters belonging to more than one type are set, the new settings take priority over the old.

O: Memorized
X: Not Memorized

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
MainWindow											
Transpose	X	X	-	X	-	X	X	O	Tune/Trans	-	
UpperOctave	X	X	-	X	-	X	X	O	Voice	-	
SplitPoint (Accomp)	O	X	-	O	Guide Setting	X	X	O	Style	Split	
SplitPoint (Left)	O	X	-	X	-	X	X	O	Style	Split	
SongFile	X	X	-	X	-	X	X	O	Song	-	
StyleFile	X	X	-	O	-	X	X	O	Style	-	
IntroEndingSection	X	X	-	X	-	O	X	X	-	-	
VoiceFile (Main, Layer, Left)	X	X	-	X	-	X	X	X	-	-	The data that is saved to Regist./OTS is not actual Voice, but Program Change.
MultiPadFile	X	X	-	O	Keyboard Voice	X	O	O	MultiPad	-	
RegistrationBankFile	X	X	-	X	-	X	X	X	-	-	
PartSelect	X	X	-	X	-	X	X	X	-	-	
PartOnOff (Main, Layer)	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
PartOnOff (Left)	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
BalancePopup											
SongVolume	X	X	-	X	-	X	X	O	Song	-	
StyleVolume	X	X	-	O	-	X	X	O	Style	-	
M.PadVolume	X	X	-	O	Keyboard Voice	X	O	O	MultiPad	-	
MicVolume	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
MainVolume	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
LeftVolume	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
LayerVolume	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Channel OnOffPopup											
ChannelOnOff (Song)	X	X	-	X	-	X	X	X	-	-	For songs that have no channel on/off message, all are set to on.
ChannelOnOff (Style)	X	X	-	O	-	O	X	O	Style	-	
VoiceEffect											
Touch	X	X	-	X	-	X	X	O	Voice	-	
Sustain	X	X	-	X	-	X	X	O	Voice	-	
LeftHold	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Dsp (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Dsp (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Variation (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Variation (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Harmony/Echo	X	X	-	O	Keyboard Voice	X	O	O	Harmony	-	
Poly/Mono (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Poly/Mono (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Registration											
FreezeOnOff	X	X	-	X	-	X	X	X	-	-	
RegistMemoryPopupSetting	O	X	-	X	-	X	X	X	-	-	Filter settings when registering Registration.
RegistNumber	X	X	-	X	-	X	X	X	-	-	
RegistContentsName	X	X	-	X	-	X	X	O	-	-	
Menu>Function											
MasterTune/ScaleTune											
MasterTune											
MasterTune	O	X	-	X	-	X	X	X	-	-	
ScaleTune											
Scale	X	X	-	X	-	X	X	O	Scale	-	
Tune	X	X	-	X	-	X	X	O	Scale	-	
BaseNote	X	X	-	X	-	X	X	O	Scale	-	
Scale Part	X	X	-	X	-	X	X	O	Scale	-	
SongSetting											
QuickStart	O	X	-	X	-	X	X	X	-	-	
SongChainPlay	O	X	-	X	-	X	X	X	-	-	
Channel Setting											
Track1 Channel	O	X	-	O	-	X	X	X	-	-	
Track2 Channel	O	X	-	O	-	X	X	X	-	-	
Vocal Harmony Channel →	Mic>MicSetup>VH Song Track										
Auto Ch Set	O	X	-	X	-	X	X	X	-	-	
Phrase Mark	X	X	-	X	-	X	X	X	-	-	
Lyrics Language	O	X	-	O	Lyrics Language	X	X	X	-	-	
StyleSetting/SplitPoint/ChordFingering											
StyleSetting/SplitPoint											
StopAcmp	O	X	-	X	-	X	X	X	-	-	
OTSLinkTiming	O	X	-	X	-	X	X	X	-	-	
SynchroStopWindow	O	X	-	X	-	X	X	X	-	-	
AccompTouch	O	X	-	X	-	X	X	X	-	-	
SectionSet	O	X	-	X	-	X	X	X	-	-	
SplitPoint(Accomp) →	MainWindow										
SplitPoint(Left) →	MainWindow										
ChordFingering											
FingeringType	O	X	-	X	-	X	X	O	Style	-	
TutorRoot	X	X	-	X	-	X	X	X	-	-	
TutorType	X	X	-	X	-	X	X	X	-	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Controller											
Pedal											
PedalType	X	O (Left only)	LPDL	O (Left only)	Keyboard Voice	X	O (Left only)	O	Pedal	-	
PedalSettings	X	O (Left only)	LPDL	O (Left only)	Keyboard Voice	X	O (Left only)	O	Pedal	-	
PedalTypeDefaultSetting	X	X	X	X	-	X	X	X	X	-	
PedalPolarity	O	X	-	X	-	X	X	X	-	-	
Keyboard/Panel											
TouchSense	O	X	-	X	-	X	X	X	-	-	
TouchOffLevel	X	X	-	X	-	X	X	O	Voice	-	
TouchOnOff	X	X	-	X	-	X	X	O	Voice	-	
ModulationWheel	X	X	-	X	-	X	X	O	Voice	-	
TransposeAssign	O	X	-	X	-	X	X	X	-	-	
Regist.Sequence/Freeze/VoiceSet											
RegistrationSequence											
RegistSequenceData	X	X	-	X	-	X	X	O	-	-	Memorized as a single Registration Bank file.
RegistSequenceEnable	O	X	-	X	-	X	X	X	-	-	
Regist(+)Pedal	O	X	-	X	-	X	X	X	-	-	
Regist(-)Pedal	O	X	-	X	-	X	X	X	-	-	
SequenceEnd	X	X	-	X	-	X	X	O	-	-	Memorized as a single Registration Bank file.
Freeze											
FreezeGroupSetting	O	X	-	X	-	X	X	X	-	-	
VoiceSet											
VoiceSetEnable Main	O	X	-	X	-	X	X	X	-	-	
VoiceSetEnable Layer	O	X	-	X	-	X	X	X	-	-	
VoiceSetEnable Left	O	X	-	X	-	X	X	X	-	-	
Harmony/Echo											
Type	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Volume	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Speed	X	O	Harm	O	Keyboard Voice (Included in Type)	X	O	O	Harm	-	
Assign	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
ChordNoteOnly	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
TouchLimit	X	O	Harm	O	Keyboard Voice	X	O	O	Harm	-	
Utility											
Configuration											
Speaker	O	X	-	X	-	X	X	X	-	-	
DisplayVoiceNumber	O	X	-	X	-	X	X	X	-	-	
MetronomeVolume	O	X	-	X	-	X	X	X	-	-	
MetronomeSound	O	X	-	X	-	X	X	X	-	-	
TimeSignature	X	X	-	O	-	O	X	X	-	-	
ParameterLock	O	X	-	X	-	X	X	X	-	-	
TapCountPercussion	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
TapCountVelocity	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
LCDBrightness	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
FadeInTime	O	X	-	X	-	X	X	X	-	-	
FadeOutTIme	O	X	-	X	-	X	X	X	-	-	
FadeOutHoldTime	O	X	-	X	-	X	X	X	-	-	
Disk											
FloppyDiskSongAutoOpen	O	X	-	X	-	X	X	X	-	-	
Owner											
OwnerName	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
Language	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
MainPicture	O	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
SystemReset											
FactoryResetSetting	X	X	-	X	-	X	X	X	-	-	Cannot be reset with Factory Reset.
MIDI											
System											
Local Control	X	X	-	X	-	X	X	X	-	-	
Clock	X	X	-	X	-	X	X	X	-	-	
Transmit Clock	X	X	-	X	-	X	X	X	-	-	
Receive Transpose	X	X	-	X	-	X	X	X	-	-	
Receive Start/Stop	X	X	-	X	-	X	X	X	-	-	
SysEx Transmit	X	X	-	X	-	X	X	X	-	-	
SysEx Receive	X	X	-	X	-	X	X	X	-	-	
Chord SysEx Transmit	X	X	-	X	-	X	X	X	-	-	
Chord SysEx Receive	X	X	-	X	-	X	X	X	-	-	
Transmit											
Part (Ch1 – 16)	X	X	-	X	-	X	X	X	-	-	
Filter (Ch1 – 16)	X	X	-	X	-	X	X	X	-	-	
Receive											
Mode (Ch1 – 32)	X	X	-	X	-	X	X	X	-	-	
Filter (Ch1 – 32)	X	X	-	X	-	X	X	X	-	-	
Root	X	X	-	X	-	X	X	X	-	-	
Chord Detect	X	X	-	X	-	X	X	X	-	-	
MIDI Template											
Template No.	O	X	-	X	-	X	X	X	-	-	
Template Name	X	X	-	X	-	X	X	X	-	-	
Lyrics											
BackGround (Panel Setting)	O	X	-	X	Lyrics Language	X	X	X	-	-	Cannot be reset with Factory Reset.
BackGround (Song Setting)	X	X	-	O	Lyrics Language	X	X	X	-	-	Reset to default background with Factory Reset.
MusicScore											
Left on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Right on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Lyric on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Chord on/off	O	X	-	O	Score Setting	X	X	X	-	-	
NoteName on/off	O	X	-	O	Score Setting	X	X	X	-	-	
Size	O	X	-	O	Score Setting	X	X	X	-	-	
Left ch.	X	X	-	O	Score Setting	X	X	X	-	-	
Right ch.	X	X	-	O	Score Setting	X	X	X	-	-	
KeySignature	X	X	-	O	Score Setting	X	X	X	-	-	
Quantize	O	X	-	O	Score Setting	X	X	X	-	-	
NoteName	O	X	-	O	Score Setting	X	X	X	-	-	
ColorNote	O	X	-	O	Score Setting	X	X	X	-	-	
Song											
Track1, 2 On/Off	X	X	-	O	Guide Setting	X	X	X	-	-	Setting is linked to Channel on/off.
ExtraTracks On/Off	X	X	-	X	-	X	X	X	-	-	Setting is linked to Channel on/off.
Synchro Start	X	X	-	X	-	X	X	X	-	-	
StartStop	X	X	-	X	-	X	X	X	-	-	
A-B Repeat	X	X	-	X	-	X	X	X	-	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
DigitalStudio>DigitalRecording>Song Creator											
Rec Mode											
Rec Start	X	X	-	X	-	X	X	X	-	-	
PunchInAt	X	X	-	X	-	X	X	X	-	-	
Rec Stop	X	X	-	X	-	X	X	X	-	-	
PunchOutAt	X	X	-	X	-	X	X	X	-	-	
Pedal Punch In/Out	X	X	-	X	-	X	X	X	-	-	
Quantize											
Track	X	X	-	X	-	X	X	X	-	-	
Size	X	X	-	X	-	X	X	X	-	-	
Strength	X	X	-	X	-	X	X	X	-	-	
Delete	X	X	-	X	-	X	X	X	-	-	
Mix											
Source1	X	X	-	X	-	X	X	X	-	-	
Source2	X	X	-	X	-	X	X	X	-	-	
Destination	X	X	-	X	-	X	X	X	-	-	
Channel Transpose	X	X	-	X	-	X	X	X	-	-	
SetUp	O	X	-	X	-	X	X	X	-	-	
Filter											
Main Filter	O	X	-	X	-	X	X	X	-	-	
Control Change Filter	O	X	-	X	-	X	X	X	-	-	
Accompaniment Filter	O	X	-	X	-	X	X	X	-	-	
Tempo											
Tempo	X	X	-	O	-	O	X	O	Tempo	-	
Transpose →	MainWindow										
UpperOctave →	MainWindow										
MultiPad											
Multi Pad ContentsName	X	X	-	X	-	X	X	X	-	-	
DigitalStudio>DigitalRecording>Multi Pad Creator											
Repeat	X	X	-	X	-	X	X	X	-	-	
Chord Match	X	X	-	X	-	X	X	X	-	-	
Filter											
Main Filter	O	X	-	X	-	X	X	X	-	-	
Control Change Filter	O	X	-	X	-	X	X	X	-	-	
DigitalStudio>DigitalRecording>Style Creator											
Basic											
Section	X	X	-	X	-	X	X	X	-	-	
Pattern Length	X	X	-	X	-	O	X	X	-	-	
Tempo	X	X	-	X	-	O	X	X	-	-	
Beat	X	X	-	X	-	O	X	X	-	-	
Assembly											
Source Pattern	X	X	-	X	-	X	X	X	-	-	
Section	X	X	-	X	-	X	X	X	-	-	
Part	X	X	-	X	-	X	X	X	-	-	
Play Type	X	X	-	X	-	X	X	X	-	-	
Groove											
Original Beat	X	X	-	X	-	X	X	X	-	-	
Beat Converter	X	X	-	X	-	X	X	X	-	-	
Swing	X	X	-	X	-	X	X	X	-	-	
Fine	X	X	-	X	-	X	X	X	-	-	
Dynamics											
Part	X	X	-	X	-	X	X	X	-	-	
Accent Type	X	X	-	X	-	X	X	X	-	-	
Strength	X	X	-	X	-	X	X	X	-	-	
Expand/Comp.	X	X	-	X	-	X	X	X	-	-	
Boost/Cut	X	X	-	X	-	X	X	X	-	-	
Quantize											
Part	X	X	-	X	-	X	X	X	-	-	
Size	X	X	-	X	-	X	X	X	-	-	
Strength	X	X	-	X	-	X	X	X	-	-	
Velocity Change											
Part	X	X	-	X	-	X	X	X	-	-	
Boost/Cut	X	X	-	X	-	X	X	X	-	-	
Measure Copy											
Part	X	X	-	X	-	X	X	X	-	-	
Measure Top	X	X	-	X	-	X	X	X	-	-	
Measure Last	X	X	-	X	-	X	X	X	-	-	
Destination	X	X	-	X	-	X	X	X	-	-	
Measure Clear											
Part	X	X	-	X	-	X	X	X	-	-	
Measure Top	X	X	-	X	-	X	X	X	-	-	
Measure Last	X	X	-	X	-	X	X	X	-	-	
Remove Event											
Part	X	X	-	X	-	X	X	X	-	-	
Event	X	X	-	X	-	X	X	X	-	-	
Parameter											
Part	X	X	-	X	-	X	X	X	-	-	
Source Root	X	X	-	X	-	O	X	X	-	-	
Source Chord	X	X	-	X	-	O	X	X	-	-	
NTR	X	X	-	X	-	O	X	X	-	-	
NTT	X	X	-	X	-	O	X	X	-	-	
High Key	X	X	-	X	-	O	X	X	-	-	
Note Limit	X	X	-	X	-	O	X	X	-	-	
RTR	X	X	-	X	-	O	X	X	-	-	
Filter											
Main Filter	O	X	-	X	-	X	X	X	-	-	
Control Change Filter	O	X	-	X	-	X	X	X	-	-	
Style											
AccompanimentOnOff	X	X	-	X	-	X	O (On)	O	Style	-	
AutoFillOnOff	O	X	-	X	-	X	X	X	-	-	
OTSLink	O	X	-	X	-	X	X	X	-	-	
Section	X	X	-	O	-	X	X	O	Style	-	
SynchroStart	X	X	-	X	-	X	O (On)	X	-	-	
SynchroStop	X	X	-	X	-	X	X	X	-	-	
StartStop	X	X	-	O	-	X	X	X	-	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
MusicFinder											
SortKind	O	X	-	X	-	X	X	X	-	-	
SortOrder	O	X	-	X	-	X	X	X	-	-	
TempoLock	O	X	-	X	-	X	X	X	-	-	
Search1/2											
Music	O	X	-	X	-	X	X	X	-	-	
Keyword	O	X	-	X	-	X	X	X	-	-	
FileNumber	O	X	-	X	-	X	X	X	-	-	
Beat	O	X	-	X	-	X	X	X	-	-	
SearchArea	O	X	-	X	-	X	X	X	-	-	
Tempo	O	X	-	X	-	X	X	X	-	-	
Genre	O	X	-	X	-	X	X	X	-	-	
Search results	X	X	-	X	-	X	X	X	-	-	
Record (=Property settings)	X	X	-	X	-	X	X	X	-	-	
Mic (PSR-2100 only)											
VocalHarmonyOnOff	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
TalkOnOff	X	X	-	X	-	X	X	X	-	-	
EffectOnOff	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VHType	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VHParameters	X	X	-	O	Mic. Setting	X	X	X	-	Mic	Current VH Type settings and Type name
MicSetting (PSR-2100 only)											
OverallSetting											
EQ Low Freq.	O	X	-	X	-	X	X	X	-	-	
EQ Low Gain	O	X	-	X	-	X	X	X	-	-	
EQ Mid Freq.	O	X	-	X	-	X	X	X	-	-	
EQ Mid Gain	O	X	-	X	-	X	X	X	-	-	
EQ High Freq.	O	X	-	X	-	X	X	X	-	-	
EQ High Gain	O	X	-	X	-	X	X	X	-	-	
Noise Gate SW	O	X	-	X	-	X	X	X	-	-	
Noise Gate TH	O	X	-	X	-	X	X	X	-	-	
Compressow SW	O	X	-	X	-	X	X	X	-	-	
Compressor TH	O	X	-	X	-	X	X	X	-	-	
Compressor RAT	O	X	-	X	-	X	X	X	-	-	
Compressor OUT	O	X	-	X	-	X	X	X	-	-	
VH Song Track Mute	X	X	-	X	-	X	X	O	Mic	Mic	
VH Song Track	X	X	-	X	-	X	X	O	Mic	Mic	
VH Keyboard	X	X	-	O	Mic. Setting	X	X	O	Mic	Mic	
VH Balance	X	X	-	X	-	X	X	O	Mic	Mic	
VH Mode	X	X	-	X	-	X	X	O	Mic	Mic	
VH Chord Detect	X	X	-	X	-	X	X	O	Mic	Mic	
Mute	X	X	-	X	-	X	X	X	-	-	
MicVol →	BalancePoup>MicVolume										
TalkSetting											
Volume	O	X	-	X	-	X	X	X	-	-	
Pan	O	X	-	X	-	X	X	X	-	-	
ReverbDepth	O	X	-	X	-	X	X	X	-	-	
ChorusDepth	O	X	-	X	-	X	X	X	-	-	
TotalVolumeAttenuator	O	X	-	X	-	X	X	X	-	-	
DSPOnOff	O	X	-	X	-	X	X	X	-	-	
DSPDepth	O	X	-	X	-	X	X	X	-	-	
DSPType	O	X	-	X	-	X	X	X	-	-	
DigitalStudio>SoundCreator											
Voice (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Voice (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Volume for Balance (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Volume for Balance (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Touch Sens (Main, Layer)	X	O	Voice	X	Keyboard Voice	X	O	O	Voice	-	
Touch Sens (Left)	X	O	Voice	X	Keyboard Voice	X	O	O	Style	-	
Octave for Left	X	O	Voice	X	-	X	X	X	-	-	
Octave for Main/Layer	X	O	Voice	X	-	X	X	X	-	-	
Mono/Poly →	Voice Effect										
Portament Time →	DigitalStudio>Mixing Console										
Filter Brightness →	DigitalStudio>Mixing Console										
Filter Resonance →	DigitalStudio>Mixing Console										
EG Attack (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Attack (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
EG Decay (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Decay (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
EG Release (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
EG Release (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Depth (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Depth (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Speed (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Speed (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Vibrato Delay (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Vibrato Delay (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Reverb Depth →	DigitalStudio>Mixing Console										
Chorus Depth →	DigitalStudio>Mixing Console										
DSP On/Off →	Voice Effect										
DSP Depth →	DigitalStudio>Mixing Console										
Panel Sustain (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Panel Sustain (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
DSP Type (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
DSP Type (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
LastSelectedDSP	X	X	-	X	-	X	X	X	-	-	Memorized only when Sound Creator opened
DSP Variation →	Voice Effect										
DSP Fast Value (Main, Layer)	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
DSP Fast Value (Left)	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
EQ Low Freq (Main, Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
EQ Low Freq (Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
EQ Low Gain →	DigitalStudio>Mixing Console										PSR-2100 only
EQ High Freq (Main, Layer)	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
EQ High Freq (Left)	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
EQ High Gain →	DigitalStudio>Mixing Console										PSR-2100 only
Harmony/Echo											
Type →	Harmony/Echo										
Volume											
Speed →	Harmony/Echo										
Assign →	Harmony/Echo										
ChordNoteOnly →	Harmony/Echo										
TouchLimit →	Harmony/Echo										

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
Organ Flutes Footage (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Footage (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Type (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Type (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Vib On/Off (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Vib On/Off (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Attack Footage (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Attack Footage (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Attack Mode (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Attack Mode (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Attack length (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Attack length (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Response (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Response (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Organ Flutes Volume (Main, Layer)	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Organ Flutes Volume (Left)	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
DigitalStudio>Mixing Console											
Auto Revoice											
On/Off	O	X	-	X	-	X	X	X	-	-	
Setup	O	X	-	X	-	X	X	X	-	-	
Volume											
Style Part	X	X	-	O	-	O	X	O	Style	-	
Song Part	X	X	-	O	Volume	X	X	X	-	-	
Main, Layer →	MainWindow>BalancePopup>MainVolume/LayerVolume										
Left →	MainWindow>BalancePopup>LeftVolume										
Acmp (Offset) →	MainWindow>BalancePopup>StyleVolume										
Song (Offset) →	MainWindow>BalancePopup>SongVolume										
Multi Pad →	MainWindow>BalancePopup>M.PadVolume										
Mic →	MainWindow>BalancePopup>MicVolume										
Voice											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Voice	X	X	X	-	-	
PanPot											
Acmp Part	X	X	-	O	-	O	X	O	Style	-	
Song Part	X	X	-	O	Pan	X	X	X	-	-	
Main, Layer	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	
Song (Offset)	X	X	-	X	-	X	X	X	-	-	
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
Brightness											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Filter	X	X	X	-	-	
Main, Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Harmonic Contents											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Filter	X	X	X	-	-	
Main, Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Octave											
Main, Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Tune											
Main, Layer	X	X	-	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	X	-	O	Keyboard Voice	X	O	O	Style	-	
Portamento Time											
Main, Layer	X	O	Voice	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Voice	O	Keyboard Voice	X	O	O	Style	-	
Pitch Bend Range											
Main, Layer	X	X	Voice	X	-	X	X	O	Voice	-	
Left	X	X	Voice	X	-	X	X	O	Style	-	
Transpose											
Master	X	X	-	X	-	X	X	O	Tune Trans	-	
Song	X	X	-	X	-	X	X	O	Tune Trans	-	
Keyboard	X	X	-	X	-	X	X	O	Tune Trans	-	
Reverb Type	X	X	-	X	-	O	X	O	Style/Song	Reverb Type	
Reverb Return Level	X	X	-	X	-	X	X	O	Style/Song	Reverb Return Level	
Natural Voice Reverb Type	X	O	Effect	X	-	O	X	O	Voice/Style/ Song		
Reverb Depth											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Effect	X	X	X	-	-	
Main, Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	
Song (Offset)	X	X	-	X	-	X	X	X	-	-	
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
Chorus Type	X	X	-	X	-	O	X	O	Style/Song	-	
Chorus Return Level	X	X	-	X	-	X	X	O	Style/Song	Chorus Return Level	
Natural Voice Chorus Type	X	O	Effect	X	-	O	X	O	Voice/Style/ Song		
Chorus Depth											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Effect	X	X	X	-	-	
Main, Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	
Song (Offset)	X	X	-	X	-	X	X	X	-	-	
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	

Parameter	System SetUp	Voice	Voice Set Group	Song	Song Setup Group	Style	OTS	Registration		Param Lock Group	Notes
								Regist	Freeze/Memory Group		
DSP1 Type	X	O	Effect	O	Keyboard Voice	X	O	O	Voice/Song	-	PSR-1100 only
DSP1 Type	X	X	-	X	-	O	X	O	Style/Song	-	PSR-2100 only
DSP1 Return Level	X	X	-	X	-	X	X	O	Voice/Song	DSP1 Return Level (on PSR-1100: DSP Return Level)	PSR-1100 only
DSP1 Return Level	X	X	-	X	-	X	X	O	Style/Song	DSP1 Return Level	PSR-2100 only
Natural Voice DSP Type	X	O	Effect	X	-	O	X	O	Voice/Style/ Song	-	
DSP Depth											
Style Part	X	X	-	X	-	O	X	O	Style	-	
Song Part	X	X	-	O	Effect	X	X	X	-	-	
Main, Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	
Mic	X	X	-	O	Mic. Setting	X	X	O	Mic	-	PSR-2100 only
DSP Type											
Main, Layer	X	O	Effect	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Left	X	O	Effect	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Song	X	X	-	O	-	X	X	O	Song	-	PSR-2100 only
Effect Parameter	X	X	-	X	-	X	X	X	-	-	
MasterEQ Type	O	X	-	X	-	X	X	X	-	Master EQ	PSR-2100 only
MasterEQ Parameter	X	X	-	X	-	X	X	X	-	Master EQ	PSR-2100 only
EQ Low Gain											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	PSR-2100 only
Song Part	X	X	-	O	Filter	X	X	X	-	-	PSR-2100 only
Main, Layer	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Left	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	PSR-2100 only
Song (Offset)	X	X	-	X	-	X	X	X	-	-	PSR-2100 only
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	
EQ High Gain											
Acmp Part	X	X	-	X	-	O	X	O	Style	-	PSR-2100 only
Song Part	X	X	-	O	Filter	X	X	X	-	-	PSR-2100 only
Main, Layer	X	O	EQ	O	Keyboard Voice	X	O	O	Voice	-	PSR-2100 only
Left	X	O	EQ	O	Keyboard Voice	X	O	O	Style	-	PSR-2100 only
Acmp (Offset)	X	X	-	X	-	X	X	O	Style	-	PSR-2100 only
Song (Offset)	X	X	-	X	-	X	X	X	-	-	PSR-2100 only
Multi Pad	X	X	-	X	-	X	X	O	Multi Pad	-	

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter “H” as a suffix. Also, “n” can freely be defined as any whole number.
To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary	Decimal	Hexadecimal	Binary	Decimal	Hexadecimal	Binary	Decimal	Hexadecimal	Binary
0	00	0000 0000	32	20	0010 0000	64	40	0100 0000	96	60	0110 0000
1	01	0000 0001	33	21	0010 0001	65	41	0100 0001	97	61	0110 0001
2	02	0000 0010	34	22	0010 0010	66	42	0100 0010	98	62	0110 0010
3	03	0000 0011	35	23	0010 0011	67	43	0100 0011	99	63	0110 0011
4	04	0000 0100	36	24	0010 0100	68	44	0100 0100	100	64	0110 0100
5	05	0000 0101	37	25	0010 0101	69	45	0100 0101	101	65	0110 0101
6	06	0000 0110	38	26	0010 0110	70	46	0100 0110	102	66	0110 0110
7	07	0000 0111	39	27	0010 0111	71	47	0100 0111	103	67	0110 0111
8	08	0000 1000	40	28	0010 1000	72	48	0100 1000	104	68	0110 1000
9	09	0000 1001	41	29	0010 1001	73	49	0100 1001	105	69	0110 1001
10	0A	0000 1010	42	2A	0010 1010	74	4A	0100 1010	106	6A	0110 1010
11	0B	0000 1011	43	2B	0010 1011	75	4B	0100 1011	107	6B	0110 1011
12	0C	0000 1100	44	2C	0010 1100	76	4C	0100 1100	108	6C	0110 1100
13	0D	0000 1101	45	2D	0010 1101	77	4D	0100 1101	109	6D	0110 1101
14	0E	0000 1110	46	2E	0010 1110	78	4E	0100 1110	110	6E	0110 1110
15	0F	0000 1111	47	2F	0010 1111	79	4F	0100 1111	111	6F	0110 1111
16	10	0001 0000	48	30	0011 0000	80	50	0101 0000	112	70	0111 0000
17	11	0001 0001	49	31	0011 0001	81	51	0101 0001	113	71	0111 0001
18	12	0001 0010	50	32	0011 0010	82	52	0101 0010	114	72	0111 0010
19	13	0001 0011	51	33	0011 0011	83	53	0101 0011	115	73	0111 0011
20	14	0001 0100	52	34	0011 0100	84	54	0101 0100	116	74	0111 0100
21	15	0001 0101	53	35	0011 0101	85	55	0101 0101	117	75	0111 0101
22	16	0001 0110	54	36	0011 0110	86	56	0101 0110	118	76	0111 0110
23	17	0001 0111	55	37	0011 0111	87	57	0101 0111	119	77	0111 0111
24	18	0001 1000	56	38	0011 1000	88	58	0101 1000	120	78	0111 1000
25	19	0001 1001	57	39	0011 1001	89	59	0101 1001	121	79	0111 1001
26	1A	0001 1010	58	3A	0011 1010	90	5A	0101 1010	122	7A	0111 1010
27	1B	0001 1011	59	3B	0011 1011	91	5B	0101 1011	123	7B	0111 1011
28	1C	0001 1100	60	3C	0011 1100	92	5C	0101 1100	124	7C	0111 1100
29	1D	0001 1101	61	3D	0011 1101	93	5D	0101 1101	125	7D	0111 1101
30	1E	0001 1110	62	3E	0011 1110	94	5E	0101 1110	126	7E	0111 1110
31	1F	0001 1111	63	3F	0011 1111	95	5F	0101 1111	127	7F	0111 1111

- Except the table above, for example 144-159(decimal)/9nH/1001 0000-1001 1111(binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/FOH/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexidecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

O: available

	PSR-2100	PSR-1100
Regular Voice	O	O
Organ (Organ Flutes) Voice	O	-
Mic	O	-
Vocal Harmony	O	-
M. Pad (Multi Pad)	O	O

MIDI CHANNEL MESSAGE (1)

O: available

MIDI Events	Status byte		1st Data byte			2nd Data byte			Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
	Status		Data	(HEX)	Parameter	Data	(HEX)	Parameter	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Key Off	8nH	(n: Channel Number)	kk		Key no. (0 – 127)	vv		Velocity (0 – 127)	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	X	X	X	X	O	X
Key On	9nH	(n: Channel Number)	kk		Key no. (0 – 127)	vv		Key On: vv=1 – 127 Key Off: vv=0	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	O	O (Keyboard)	O	O	O	O	X
Control Change	BnH	(n: Channel Number)	0	(00H)	Bank Select MSB	0 64 126 127	(00H) (40H) (7EH) (7FH)	Normal SFX voice SFX kit Drum kit	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
			1	(01H)	Modulation	0 – 127	(00H – 7FH)	Data	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Wheel *5, Pedal)	O	O	O	O	X
			5	(05H)	Portamento Time	0 – 127	(00H – 7FH)	Data	O	X	X	O	O	O (Main/Layer/ Left)	X	O	O (Mixing Console)	X	O	X	O	X
			6	(06H)	Data Entry MSB	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			7	(07H)	Main Volume	0 – 127	(00H – 7FH)	Data	O	O (Mic)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			10	(0AH)	Panpot	0 – 127	(00H – 7FH)	L64 – C – R63	O	O (Mic)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			11	(0BH)	Expression	0 – 127	(00H – 7FH)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	O (Pedal)	O	O	O	O	X
			32	(20H)	Bank Select LSB	0 – 127	(00H – 7FH)	Data	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
			38	(26H)	Data Entry LSB	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	X	O	O (Mixing Console)	X	O	X	O	X
			64	(40H)	Sustain (Damper)	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	X	O	O (Pedal)	O	O	X	O	X
			65	(41H)	Portamento	0 – 127	(00H – 7FH)	0 – 63, 64 – 127 (OFF, ON)	O	X	X	O	O	O (Main/Layer/ Left)	X	O	O (Poly/Mono Sw)	O	O	X	O	X
			66	(42H)	Sostenuto	0 – 127	(00H – 7FH)	0 – 63, 64 – 127 (OFF, ON)	O	X	O	O	O	O (Main/Layer/ Left)	X	O	O (Pedal)	O	O	X	O	X
			67	(43H)	Soft Pedal	0 – 127	(00H – 7FH)	0 – 63, 64 – 127 (OFF, ON)	O	X	O	O	O	O (Main/Layer/ Left)	X	O	O (Pedal)	O	O	X	O	X
			71	(47H)	Harmonic Content	0 – 127	(00H – 7FH)	-64 – 0 – +63	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			72	(48H)	Release Time	0 – 127	(00H – 7FH)	-64 – 0 – +63	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Sound Creator)	X	O	O	O	X
			73	(49H)	Attack Time	0 – 127	(00H – 7FH)	-64 – 0 – +63	O	X	X	O	O	O (Main/Layer/ Left)	O	O	O (Sound Creator)	X	O	O	O	X
			74	(4AH)	Brightness	0 – 127	(00H – 7FH)	-64 – 0 – +63	O	X	X	O	O	O (Main/Layer/ Left)	X	O	O (Sound Creator)	X	O	O	O	X
			84	(54H)	Portamento Control	0 – 127	(00H – 7FH)	Key no. (0 – 127)	O	X	X	O	O	X	O	O	O (Auto Accom- paniment)	X	O	X	O	X
			91	(5BH)	Effect1 Depth (Reverb Send Level)	0 – 127	(00H – 7FH)	Data	O	O (Mic)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			93	(5DH)	Effect3 Depth (Chorus Send Level)	0 – 127	(00H – 7FH)	Data	O	O (Mic)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			94	(5EH)	Effect4 Depth (Variation Send Level)	0 – 127	(00H – 7FH)	Data	O	O (Mic)	X	O	O	O (Main/ Layer/Left)	O	O	O (Mixing Console)	X	O	O	O	X
			96	(60H)	RPN Increment	-	-	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	X	O	O	X	X	O	X	O	X
			97	(61H)	RPN Decrement	-	-	*1	O	O (Harmony Channel/ Melody Channel)	O	O	O	X	O	O	X	X	O	X	O	X
			98	(62H)	NRPN LSB	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
			99	(63H)	NRPN MSB	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
			100	(64H)	RPN LSB	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
			101	(65H)	RPN MSB	0 – 127	(00H – 7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
Mode Message	BnH	(n: Channel Number)	120	(78H)	All Sound Off	0	(00H)	Data	O	X	O	O	O	O (Main/Layer/ Left)	O	O	X	X	O	X	O	X
			121	(79H)	Reset All Controllers	0	(00H)	Data	O	X	O	O	X	X	X	X	X	X	O	X	O	X
			122	(7AH)	Local Control	0 127	(00H) (7FH)	OFF ON	-	-	-	O	O	O	O	O	X	X	X	X	X	X
			123	(7BH)	All Note Off	0	(00H)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/Left)	O	O	X	X	O	X	O	X
			124	(7CH)	Omni Off	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			125	(7DH)	Omni On	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			126	(7EH)	Mono	0 – 16	(00H – 10H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X
			127	(7FH)	Poly	0	(00H)	Data	O	X	X	O	X	X	X	X	X	X	O	X	O	X

MIDI Events	Status byte		1st Data byte		2nd Data byte		Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
Program Change	CnH	(n: Channel Number)	pp (00H – 7FH)	Voice Number (0 – 127)	- -	-	O	X	O	O	O	O (Main)	O	O	O (Voice)	X	O	O	O	X
Channel After Touch	DnH	(n: Channel Number)	vv (00H – 7FH)	Data	- -	-	O	X	X	O	O	O (Main/Layer/ Left)	X	O	X	X	O	X	O	X
Polyphonic After Touch	AnH	(n: Channel Number)	kk (00H – 7FH)	Key no. (0 – 127)	vv (00H – 7FH)	Data	X	X	X	X	X	X	X	X	X	X	X	X	O	X
Pitch Bend Change	EnH	(n: Channel Number)	cc (00H – 7FH)	LSB	dd (00H – 7FH)	MSB	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/Layer/ Left)	O	O	O (Wheel, Pedal)	O	O	O	O	X
Realtime Message	F8H	MIDI Clock	-	-	-	-	-	-	-	O (*2)					O (*3)					
	FAH	Start	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FBH	Continue	-	-	-	-	-	-	-	X					X					
	FCH	Stop	-	-	-	-	-	-	-	O (*2)					O (*4)					
	FEH	Active Sens	-	-	-	-	-	-	-	O					O					
	FFH	System Reset	-	-	-	-	-	-	-	X					X					

*1 The data byte is ignored.
*2 Received when the Clock is set to External.
*3 Transmitted when the Clock is set to Internal and Transmit Clock is set to on.
*4 Transmitted when the Transmit Clock is set to on.
*5 PSR-2100 only.

About Mic/Vocal Harmony column:
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

MIDI CHANNEL MESSAGE (2)

NRPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
01H	08H	mmH	--	Vibrato Rate	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	09H	mmH	--	Vibrato Depth	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	0AH	mmH	--	Vibrato Delay	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	O (Harmony Channel/ Melody Channel)	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	20H	mmH	--	Low Pass Filter Cutoff Frequency	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	21H	mmH	--	Low Pass Filter Resonance	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	30H	mmH	--	EQ BASS (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	31H	mmH	--	EQ TREBLE (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	X	X	O	X
01H	34H	mmH	--	EQ BASS Frequency (*1)	mm: 04H – 28H (32 – 2.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	35H	mmH	--	EQ TREBLE Frequency (*1)	mm: 1CH – 3AH (500 – 16.0k[Hz])	O	X	X	O	X	X	X	X	X	X	X	X	O	X
01H	63H	mmH	--	EG Attack Time	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
01H	64H	mmH	--	EG Decay Time	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	O	X	O	O	O (Sound Creator)	X	O	O	O	X
01H	66H	mmH	--	EG Release	mm: 00H – 40H – 7FH (-64 – 0 – +63)	O	X	X	O	X	X	O	X	X	X	O	X	O	X
14H	rrH	mmH	--	Drum Low Pass Filter Cutoff Frequency	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)	O (Drum Only)	X	X	O	X	X	X	X	X	X	X	O	O	X
15H	rrH	mmH	--	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
16H	rrH	mmH	--	Drum EG Attack Rate	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
17H	rrH	mmH	--	Drum EG Decay Rate	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
18H	rrH	mmH	--	Drum Pitch Coarse	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
19H	rrH	mmH	--	Drum Pitch Fine	rr: drum instrument note number mm: 00H – 40H – 7FH (-64 – 0 – +63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1AH	rrH	mmH	--	Drum Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1CH	rrH	mmH	--	Drum Pan	rr: drum instrument note number mm: 00H, 01H – 40H – 7FH (RND, L63 – C – R63)		X	X	O	X	X	X	X	X	X	X	O	O	X
1DH	rrH	mmH	--	Drum Reverb Send Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1EH	rrH	mmH	--	Drum Chorus Send Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127)		X	X	O	X	X	X	X	X	X	X	O	O	X
1FH	rrH	mmH	--	Drum Variation Send Level	rr: drum instrument note number mm: 00H – 7FH (0 – 127) (Variation Connection= SYSTEM) mm: 00H, 01H – 7FH (OFF, ON) (Variation Connection= INSERTION)		X	X	O	X	X	X	X	X	X	X	O	O	X

NRPN MSB: 14H-1FH (for drums) message is accepted as long as the channel is set with a drum voice.
Data Entry LSB: Ignored.

NRPN (Vocal Harmony)

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	--	Harmony Mute (*1)	0 – 63, 64 – 127 (Off, On)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	X	O	X
01H	1AH	mmH	--	Detune Modulation (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	X	X	O	X
02H	10H	mmH	--	Harmony1 Volume (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	11H	mmH	--	Harmony2 Volume (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	12H	mmH	--	Harmony3 Volume (*1)	mm: 00H – 7FH (0 – 127)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	20H	mmH	--	Harmony1 Pan (*1)	mm: 00H, 01H – 40H – 7FH (RND, L63 – C – R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	21H	mmH	--	Harmony2 Pan (*1)	mm: 00H, 01H – 40H – 7FH (RND, L63 – C – R63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	30H	mmH	--	Harmony1 Detune (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X
02H	31H	mmH	--	Harmony2 Detune (*1)	mm: 00H – 40H – 7FH (-64 – 0 – +63)	X	O (Harmony Channel)	X	X	X	X	X	X	O (Vocal Harmony Type Edit)	X	X	X	O	X

Data Entry LSB: Ignored.

RPN

NRPN		Data Entry		Parameter	Data Range	Corresponding Voice/Part			MIDI Reception (respond/ignore)					MIDI Transmission (generated data)					
MSB	LSB	MSB	LSB			Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	Upper Lower	M.Pad	Style	Song	MIDI
00H	00H	mmH	--	Pitch Bend Sensitivity	mm: 00H – 18H (0 – +24[semitones])	O	O (Harmony Channel/ Melody Channel)	O	O	O	O (Main/ Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
00H	01H	mmH	llH	Fine Tune	mm ll : 00H 00H -100[cent] ... mm ll : 40H 00H 0[cent] ... mm ll : 7FH 7FH 100[cent]	O	X	O	O	O	O (Main/ Layer/ Left)	O	O	O (Mixing Console)	X	O	O	O	X
00H	02H	mmH	--	Coarse Tune	mm: 28H – 40H – 58H (-24 – 0 – +24[semitones])	O	X	O	O	O	O (Main/ Layer/ Left)	O	O	X	X	O	O	O	X
7FH	7FH	--	--	Null	-	O	O	O	O	O	O (Main/ Layer/ Left)	O	O	X	X	O	O	O	X

*1 PSR-2100 only

About Mic/Vocal Harmony column:
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Parameter.

MIDI PARAMETER CHANGE TABLE

* Not Received when Receive System Exclusive Message Parameters is set to off.
* Not transmitted when Transmit System Exclusive Message Parmeters is set to off.

MIDI Parameter Change table (XG SYSTEM)

O: available

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
00	00	00	4	00 – 0F	MASTER TUNE	-102.4 – 0 – +102.3[cent]	*Panel setting value	O	X	O	O					O (Function)	X	X	O	X
		01		00 – 0F		1st bit 3 – 0→bit 15 – 12														
		02		00 – 0F		2nd bit 3 – 0→bit 11 – 8														
		03		00 – 0F		3rd bit 3 – 0→bit 7 – 4														
						4th bit 3 – 0→bit 3 – 0														
		04	1	00 – 7F	MASTER VOLUME	0 – 127	7F	O	X	O	O	X	X	X	X	X	X	X	O	X
		05	1	00 – 7F	MASTER ATTENUATOR	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		06	1	28 – 58	TRANSPOSE	-24 – 0 – +24[semitones]	40	O	X	O	O	X	X	X	X	X	X	X	O	X
		7D	1	N	DRUM SETUP RESET	N: Drum setup number	-	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		7E	1	00	XG SYSTEM ON	00=XG system ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X
		7F	1	00	ALL PARAMETER RESET	00=ON	-	O	X	O	O	X	X	X	O	X	X	X	O	X

TOTAL SIZE 07

MIDI Parameter Change table (SYSTEM INFORMATION)

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
01	00	00	E	20 – 7F	Model Name 1	32 – 127(ASCII CHARACTER)	-	-	-	-	-	-	-	-	X	X	X	X	O
		...		...	...	...													
		0D		20 – 7F	Model Name 14	32 – 127(ASCII CHARACTER)													
		0E	1		NOT USED														
		0F	1		NOT USED														

TOTAL SIZE 10

Transmitted in response to Dump Request. Not received.

MIDI Parameter Change table (EFFECT1)

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	00	2	00 – 7F	REVERB TYPE MSB	Refer to Effect Parameter List	01 (=HALL1)	O	O	X	O					O (Mixing Console)	X	O	O	X
				00 – 7F	REVERB TYPE LSB	〃	00													
		02	1	00 – 7F	REVERB PARAMETER 1	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console	X	O	O	X
		03	1	00 – 7F	REVERB PARAMETER 2	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		04	1	00 – 7F	REVERB PARAMETER 3	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		05	1	00 – 7F	REVERB PARAMETER 4	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		06	1	00 – 7F	REVERB PARAMETER 5	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		07	1	00 – 7F	REVERB PARAMETER 6	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		08	1	00 – 7F	REVERB PARAMETER 7	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		09	1	00 – 7F	REVERB PARAMETER 8	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0A	1	00 – 7F	REVERB PARAMETER 9	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0B	1	00 – 7F	REVERB PARAMETER 10	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		0C	1	00 – 7F	REVERB RETURN	-∞dB – 0dB – +6dB (0 – 96 – 127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		0D	1	01 – 7F	REVERB PAN	L63 – C – R63	40	O	O	X	O					X	X	O	O	X

TOTAL SIZE 0E

02	01	10	1	00 – 7F	REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		11	1	00 – 7F	REVERB PARAMETER 12	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		12	1	00 – 7F	REVERB PARAMETER 13	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		13	1	00 – 7F	REVERB PARAMETER 14	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		14	1	00 – 7F	REVERB PARAMETER 15	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X
		15	1	00 – 7F	REVERB PARAMETER 16	〃	Depends on Reverb Type	O	O	X	O (*Depends on Reverb Type)					O (Mixing Console *Depends on Reverb Type)	X	O	O	X

TOTAL SIZE 06

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	20	2	00 – 7F	CHORUS TYPE MSB	Refer to Effect Parameter List	41 (=CHORUS1)	O	O	X	O					O (Mixing Console)	X	O	O	X
				00 – 7F	CHORUS TYPE LSB	″	00													
		22	1	00 – 7F	CHORUS PARAMETER 1	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		23	1	00 – 7F	CHORUS PARAMETER 2	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		24	1	00 – 7F	CHORUS PARAMETER 3	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		25	1	00 – 7F	CHORUS PARAMETER 4	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		26	1	00 – 7F	CHORUS PARAMETER 5	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		27	1	00 – 7F	CHORUS PARAMETER 6	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		28	1	00 – 7F	CHORUS PARAMETER 7	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		29	1	00 – 7F	CHORUS PARAMETER 8	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2A	1	00 – 7F	CHORUS PARAMETER 9	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2B	1	00 – 7F	CHORUS PARAMETER 10	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		2C	1	00 – 7F	CHORUS RETURN	-∞dB – 0dB – +6dB (0 – 96 – 127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		2D	1	01 – 7F	CHORUS PAN	L63 – C – R63	40	O	O	X	O					X	X	X	O	X
		2E	1	00 – 7F	SEND CHORUS TO REVERB	-∞dB – 0dB – +6dB (0 – 96 – 127)	00	O	O	X	O					X	X	X	O	X

TOTAL SIZE 0F

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	30	1	00 – 7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		31	1	00 – 7F	CHORUS PARAMETER 12	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		32	1	00 – 7F	CHORUS PARAMETER 13	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		33	1	00 – 7F	CHORUS PARAMETER 14	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		34	1	00 – 7F	CHORUS PARAMETER 15	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X
		35	1	00 – 7F	CHORUS PARAMETER 16	″	Depends on Chorus Type	O	O	X	O (*Depends on Chorus Type)					O (Mixing Console *Depends on Chorus Type)	X	O	O	X

TOTAL SIZE 06

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	01	40	2	00 – 7F	VARIATION TYPE MSB	Refer to Effect Parameter List	05 (=DELAY L, C, R)	O	O	X	O					O (Mixing Console)	X	O	O	X
				00 – 7F	VARIATION TYPE LSB	″	00													
		42	2	00 – 7F	VARIATION PARAMETER 1 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 1 LSB	″														
		44	2	00 – 7F	VARIATION PARAMETER 2 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 2 LSB	″														
		46	2	00 – 7F	VARIATION PARAMETER 3 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 3 LSB	″														
		48	2	00 – 7F	VARIATION PARAMETER 4 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 4 LSB	″														
		4A	2	00 – 7F	VARIATION PARAMETER 5 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 5 LSB	″														
		4C	2	00 – 7F	VARIATION PARAMETER 6 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 6 LSB	″														
		4E	2	00 – 7F	VARIATION PARAMETER 7 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 7 LSB	″														
		50	2	00 – 7F	VARIATION PARAMETER 8 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 8 LSB	″														
		52	2	00 – 7F	VARIATION PARAMETER 9 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 9 LSB	″														
		54	2	00 – 7F	VARIATION PARAMETER 10 MSB	″	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
				00 – 7F	VARIATION PARAMETER 10 LSB	″														
		56	1	00 – 7F	VARIATION RETURN	-∞dB – 0dB – +6dB (0 – 96 – 127)	40	O	O	X	O					O (Mixing Console)	X	O	O	X
		57	1	01 – 7F	VARIATION PAN	L63 – C – R63	40	O	O	X	O					X	X	O	O	X
		58	1	00 – 7F	SEND VARIATION TO REVERB	-∞dB – 0dB – +6dB (0 – 96 – 127)	00	O	O	X	O					X	X	O	O	X
		59	1	00 – 7F	SEND VARIATION TO CHORUS	-∞dB – 0dB – +6dB (0 – 96 – 127)	00	O	O	X	O					X	X	O	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		5A	1	00 – 01	VARIATION CONNECTION	INSERTION, SYSTEM	00	O	O	X	O					X	X	O	O	X
		5B	1	00 – 7F	VARIATION PART NUMBER	Reception: Part1 – 16 (0 – 15) Transmission: Part1 – 16 (0 – 15) AD (64) OFF (127)	7F	O	O	X	O					O (Mixing Console)	X	O	O	X
		5C	1	00 – 7F	MW VARIATION CONTROL DEPTH	-64 – 0 – +63	40	O	O	X	O					X	X	O	O	X
		5D	1	00 – 7F	BEND VARIATION CONTROL DEPTH	-64 – 0 – +63	40	O	O	X	O					X	X	O	O	X
		5E	1	00 – 7F	CAT VARIATION CONTROL DEPTH	-64 – 0 – +63	40	O	O	X	O					X	X	O	O	X
		5F	1	00 – 7F	AC1 VARIATION CONTROL DEPTH	-64 – 0 – +63	40	X	X	X	X					X	X	X	X	X
		60	1	00 – 7F	AC2 VARIATION CONTROL DEPTH	-64 – 0 – +63	40	X	X	X	X					X	X	X	X	X

TOTAL SIZE 21

02	01	70	1	00 – 7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		71	1	00 – 7F	VARIATION PARAMETER 12	〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		72	1	00 – 7F	VARIATION PARAMETER 13	〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		73	1	00 – 7F	VARIATION PARAMETER 14	〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		74	1	00 – 7F	VARIATION PARAMETER 15	〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X
		75	1	00 – 7F	VARIATION PARAMETER 16	〃	Depends on Variation Type	O	O	X	O (*Depends on Variation Type)					O (Mixing Console *Depends on Variation Type)	X	O	O	X

TOTAL SIZE 06

MIDI Parameter Change table (MULTI EQ) (PSR-2100 only)

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
02	40	00	1	00 – 04	EQ TYPE	flat, jazz, pops, rock, classic	O	O	X	O					X	X	X	O	X
		01	1	34 – 4C	EQ GAIN1	-12 – 0 – +12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		02	1	04 – 28	EQ FREQUENCY1	32 – 2.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		03	1	01 – 78	EQ Q1	0.1 – 12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		04	1	00 – 01	EQ SHAPE1	shelving, peaking	O	O	X	O					X	X	X	O	X
		05	1	34 – 4C	EQ GAIN2	-12 – 0 – +12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		06	1	0E – 36	EQ FREQUENCY2	100 – 10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		07	1	01 – 78	EQ Q2	0.1 – 12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		08	1		NOT USED		-	-	-	-					-	-	-	-	-
		09	1	34 – 4C	EQ GAIN3	-12 – 0 – +12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0A	1	0E – 36	EQ FREQUENCY3	100 – 10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0B	1	01 – 78	EQ Q3	0.1 – 12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-					-	-	-	-	-
		0D	1	34 – 4C	EQ GAIN4	-12 – 0 – +12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0E	1	0E – 36	EQ FREQUENCY4	100 – 10.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		0F	1	01 – 78	EQ Q4	0.1 – 12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		10	1		NOT USED		-	-	-	-					-	-	-	-	-
		11	1	34 – 4C	EQ GAIN5	-12 – 0 – +12[dB]	O	O	X	O					O (Mixing Console)	X	X	O	X
		12	1	1C – 3A	EQ FREQUENCY5	0.5k – 16.0k[Hz]	O	O	X	O					O (Mixing Console)	X	X	O	X
		13	1	01 – 78	EQ Q5	0.1 – 12.0	O	O	X	O					O (Mixing Console)	X	X	O	X
		14	1	00 – 01	EQ SHAPE5	shelving, peaking	O	O	X	O					X	X	X	O	X

TOTAL SIZE 5

The MULTI EQ Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (EFFECT2) (PSR-2100 only)

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
03	n	00	2	00 – 7F 00 – 7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Refer to Effect Parameter List 〃	O	O	X	O					O (Mixing Console)	X	X	O	X
		02	1	00 – 7F	INSERTION EFFECT PARAMETER 1	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		03	1	00 – 7F	INSERTION EFFECT PARAMETER 2	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		04	1	00 – 7F	INSERTION EFFECT PARAMETER 3	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		05	1	00 – 7F	INSERTION EFFECT PARAMETER 4	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		06	1	00 – 7F	INSERTION EFFECT PARAMETER 5	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		07	1	00 – 7F	INSERTION EFFECT PARAMETER 6	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		08	1	00 – 7F	INSERTION EFFECT PARAMETER 7	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		09	1	00 – 7F	INSERTION EFFECT PARAMETER 8	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0A	1	00 – 7F	INSERTION EFFECT PARAMETER 9	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		0B	1	00 – 7F	INSERTION EFFECT PARAMETER 10	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		0C	1	00 – 7F	INSERTION EFFECT PART NUMBER	Reception: Part1 – 16 (0 – 15) Transmission: Part1 – 16 (0 – 15) AD (64) OFF (127)	O	O	X	O					O (Mixing Console)	X	X	O	X
		0D	1	00 – 7F	MW INSERTION CONTROL DEPTH	-64 – 0 – +63	O	O	X	O					X	X	X	O	X
		0E	1	00 – 7F	BEND INSERTION CONTROL DEPTH	-64 – 0 – +63	O	O	X	O					X	X	X	O	X
		0F	1	00 – 7F	CAT INSERTION CONTROL DEPTH	-64 – 0 – +63	O	O	X	O					X	X	X	O	X
		10	1	00 – 7F	AC1 INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X					X	X	X	X	X
		11	1	00 – 7F	AC2 INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X					X	X	X	X	X

TOTAL SIZE 12

03	n	20	1	00 – 7F	INSERTION EFFECT PARAMETER 11	Refer to Effect Parameter List	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		21	1	00 – 7F	INSERTION EFFECT PARAMETER 12	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		22	1	00 – 7F	INSERTION EFFECT PARAMETER 13	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		23	1	00 – 7F	INSERTION EFFECT PARAMETER 14	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		24	1	00 – 7F	INSERTION EFFECT PARAMETER 15	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		25	1	00 – 7F	INSERTION EFFECT PARAMETER 16	〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

TOTAL SIZE 6

03	n	30	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 1 MSB INSERTION EFFECT PARAMETER 1 LSB	Refer to Effect Parameter List 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		32	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 2 MSB INSERTION EFFECT PARAMETER 2 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		34	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 3 MSB INSERTION EFFECT PARAMETER 3 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		36	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 4 MSB INSERTION EFFECT PARAMETER 4 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		38	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 5 MSB INSERTION EFFECT PARAMETER 5 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3A	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 6 MSB INSERTION EFFECT PARAMETER 6 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3C	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 7 MSB INSERTION EFFECT PARAMETER 7 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		3E	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 8 MSB INSERTION EFFECT PARAMETER 8 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		40	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 9 MSB INSERTION EFFECT PARAMETER 9 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X
		42	2	00 – 7F 00 – 7F	INSERTION EFFECT PARAMETER 10 MSB INSERTION EFFECT PARAMETER 10 LSB	〃 〃	O	O	X	O (*Depends on Insertion Type)					O (Mixing Console *Depends on Insertion Type)	X	X	O	X

TOTAL SIZE 14

The EFFECT 2 Parameter cannot be reset to its factory setting with XG SYSTEM ON.

The second byte of the address is considered as an Insertion effect number.
n : insertion effect number

For effect types that do not require MSB, the Parameters for Address 02-0B will be received and the Parameters for Address 30-42 will not be received.
For effect types that require MSB, the Parameters for Address 30-42 will be received and the Parameters for Address 02-0B will not be received.
When Bulk Dumps that include Effect Type data are transmitted, the Parameters for Address 02-0B will always be transmitted. But, effects that require MSB, when the bulk dump is received the Parameters for Address 02-0B will not be received.

*1 PSR-2100: n=0 – 2

MIDI Parameter Change table (SPECIAL EFFECT) (PSR-2100 only)

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
04	00	00	2	00 – 7F 00 – 7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Vocoder (89), Chordal (90), Detune (91), Chromatic (92), Thru (0 – 88, 93 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		02	1	00 – 7F	INSERTION EFFECT PARAMETER 1 Harmony Mode		X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		03	1	00 – 7F	INSERTION EFFECT PARAMETER 2 Harmony Gender Type	Off (0), Auto (1)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		04	1	00 – 7F	INSERTION EFFECT PARAMETER 3 Lead Gender Type	Off (0), Unison (1), Male (2), Female (3)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		05	1	00 – 7F	INSERTION EFFECT PARAMETER 4 Lead Gender Depth	-64 – 0 – +63 (0 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		06	1	00 – 7F	INSERTION EFFECT PARAMETER 5 Lead Pitch Correction	Free (0), Correct (1)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		07	1	00 – 7F	INSERTION EFFECT PARAMETER 6 Auto Upper Gender Threshold	0 – 12 (0 – 12)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		08	1	00 – 7F	INSERTION EFFECT PARAMETER 7 Auto Lower Gender Threshold	0 – 12 (0 – 12)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		09	1	00 – 7F	INSERTION EFFECT PARAMETER 8 Upper Gender Depth	-64 – 0 – +63 (0 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		0A	1	00 – 7F	INSERTION EFFECT PARAMETER 9 Lower Gender Depth	-64 – 0 – +63 (0 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		0B	1	00 – 7F	INSERTION EFFECT PARAMETER 10	L63>H – L=H – L<H63 (1 – 64 – 127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
		0C	1	00 – 7F	INSERTION EFFECT PART NUMBER	AD (64), OFF (0 – 63, 65 – 127)	X	O	X	X	X	X	X	X	O (Vocal Harmony Sw)	X	X	O	X
		0D	1	00 – 7F	MW INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X	X	X	X	X	X	X	X	X	X
		0E	1	00 – 7F	BEND INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X	X	X	X	X	X	X	X	X	X
		0F	1	00 – 7F	CAT INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X	X	X	X	X	X	X	X	X	X
		10	1	00 – 7F	AC1 INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X	X	X	X	X	X	X	X	X	X
		11	1	00 – 7F	AC2 INSERTION CONTROL DEPTH	-64 – 0 – +63	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 12

		14	1	00 – 7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (HARMONY CHANNEL)	1 – 16 (0 – 15), OFF (127)	X	O	X	X	X	X	X	X	O (MicSetting)	X	X	O	X
		15	1	00 – 7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (MELODY CHANNEL)	1 – 16 (0 – 15), OFF (127)	X	O	X	X	X	X	X	X	X	X	X	O	X

TOTAL SIZE 2

		20	1	00 – 7F	INSERTION EFFECT PARAMETER 11 Vibrate Depth	0 – 100cent (0 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		21	1	00 – 7F	INSERTION EFFECT PARAMETER 12 Vibrate Rate	0Hz (0), 0.1 – 12.7Hz (1 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		22	1	00 – 7F	INSERTION EFFECT PARAMETER 13 Vibrate Delay	0 – 2.54sec (0 – 127)	X	O	X	X	X	X	X	X	O (VH Type Select)	X	X	O	X
		23	1	00 – 7F	INSERTION EFFECT PARAMETER 14		X	X	X	X	X	X	X	X	X	X	X	X	X
		24	1	00 – 7F	INSERTION EFFECT PARAMETER 15		X	X	X	X	X	X	X	X	X	X	X	X	X
		25	1	00 – 7F	INSERTION EFFECT PARAMETER 16		X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 6

The SPECIAL EFFECT Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (MULTI PART)

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
08	nn	00	1	00 – 20	ELEMENT RESERVE	0 – 32	part10=00, other parts=02	O	X	X	O	X	X	X	X	X	X	X	O	X
		01	1	00 – 7F	BANK SELECT MSB	0 – 127	part10=7F, other parts =00	O	X	O	O	O	X	O	O	X	X	X	O	X
		02	1	00 – 7F	BANK SELECT LSB	0 – 127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		03	1	00 – 7F	PROGRAM NUMBER	0 – 127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		04	1	00 – 0F, 7F	Rcv CHANNEL	1 – 16, OFF	Part No.	O	X	X	O	X	X	X	X	X	X	X	O	X
		05	1	00 – 01	MONO/POLY MODE	MONO, POLY	01	O	X	X	O	X	X	X	X	X	X	X	O	X
		06	1	00 – 02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	01	O	X	X	O	X	X	O	X	X	X	X	O	X
		07	1	00 – 03	PART MODE	NORMAL, DRUM, DRUMS1 – 2	part10=02, other parts=00	O	X	O	O	X	X	X	X	O (Drum Voice)	X	X	O	X
		08	1	00 – 7F	CHANNEL TRANSPOSE	-24 – 0 – +24[semitones]	40	O	X	O	O	O	X	O	O	X	X	X	O	X
		09 0A	2	00 – 0F 00 – 0F	DETUNE	-12.8 – 0 – +12.7[Hz] 1st bit3 – 0→bit7 – 4 2nd bit3 – 0→bit3 – 0	08 00	O	X	O	O	O	X	O	O	X	X	X	O	X
		0B	1	00 – 7F	VOLUME	0 – 127	64	O	X	O	O	O	X	O	O	X	X	X	O	X
		0C	1	00 – 7F	VELOCITY SENSE DEPTH	0 – 127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
		0D	1	00 – 7F	VELOCITY SENSE OFFSET	0 – 127	40	O	X	O	O	O	X	X	O	O (Sound Creator)	O	X	O	X
		0E	1	00 – 7F	PAN	RND, L63 – C – R63	40	O	X	O	O	O	X	O	O	X	X	X	O	X
		0F	1	00 – 7F	NOTE LIMIT LOW	C-2 – G8	00	O	X	X	O	X	X	X	X	X	X	X	O	X
		10	1	00 – 7F	NOTE LIMIT HIGH	C-2 – G8	7F	O	X	X	O	X	X	X	X	X	X	X	O	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		11	1	00 – 7F	DRY LEVEL	0 – 127	7F	O	X	X	O	O	X	O	O	O (Sound Creator)	O	X	O	X
		12	1	00 – 7F	CHORUS SEND	0 – 127	00	O	X	O	O	O	X	O	O	X	X	X	O	X
		13	1	00 – 7F	REVERB SEND	0 – 127	28	O	X	O	O	O	X	O	O	X	X	X	O	X
		14	1	00 – 7F	VARIATION SEND	0 – 127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		15	1	00 – 7F	VIBRATO RATE	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		16	1	00 – 7F	VIBRATO DEPTH	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		17	1	00 – 7F	VIBRATO DELAY	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		18	1	00 – 7F	FILTER CUTOFF FREQUENCY	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		19	1	00 – 7F	FILTER RESONANCE	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1A	1	00 – 7F	EG ATTACK TIME	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1B	1	00 – 7F	EG DECAY TIME	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1C	1	00 – 7F	EG RELEASE TIME	-64 – 0 – +63	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1D	1	28 – 58	MW PITCH CONTROL	-24 – 0 – +24[semitones]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1E	1	00 – 7F	MW LOW PASS FILTER CONTROL	-9600 – 0 – +9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		1F	1	00 – 7F	MW AMPLITUDE CONTROL	-100 – 0 – +100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		20	1	00 – 7F	MW LFO PMOD DEPTH	0 – 127	0A	O	X	X	O	O	X	O	O	X	X	X	O	X
		21	1	00 – 7F	MW LFO FMOD DEPTH	0 – 127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		22	1	00 – 7F	MW LFO AMOD DEPTH	0 – 127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		23	1	28 – 58	BEND PITCH CONTROL	-24 – 0 – +24[semitones]	42	O	X	O	O	O	X	O	O	X	X	X	O	X
		24	1	00 – 7F	BEND LOW PASS FILTER CONTROL	-9600 – 0 – +9450[cent]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		25	1	00 – 7F	BEND AMPLITUDE CONTROL	-100 – 0 – +100[%]	40	O	X	X	O	O	X	O	O	X	X	X	O	X
		26	1	00 – 7F	BEND LFO PMOD DEPTH	0 – 127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		27	1	00 – 7F	BEND LFO FMOD DEPTH	0 – 127	00	O	X	X	O	O	X	O	O	X	X	X	O	X
		28	1	00 – 7F	BEND LFO AMOD DEPTH	0 – 127	00	O	X	X	O	O	X	O	O	X	X	X	O	X

TOTAL SIZE 29

		30	1	00 – 01	Rcv PITCH BEND	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		31	1	00 – 01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		32	1	00 – 01	Rcv PROGRAM CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00 – 01	Rcv CONTROL CHANGE	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	1	00 – 01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		35	1	00 – 01	Rcv NOTE MESSAGE	OFF, ON	01	O	X	O	O	X	X	X	X	X	X	X	O	X
		36	1	00 – 01	Rcv RPN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		37	1	00 – 01	Rcv NRPN	OFF, ON	XG mode=01, GM mode=00	X	X	X	X	X	X	X	X	X	X	X	X	X
		38	1	00 – 01	Rcv MODULATION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		39	1	00 – 01	Rcv VOLUME	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3A	1	00 – 01	Rcv PAN	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3B	1	00 – 01	Rcv EXPRESSION	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3C	1	00 – 01	Rcv HOLD1	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3D	1	00 – 01	Rcv PORTAMENTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3E	1	00 – 01	Rcv SOSTENUTO	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		3F	1	00 – 01	Rcv SOFT PEDAL	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		40	1	00 – 01	Rcv BANK SELECT	OFF, ON	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		41	1	00 – 7F	SCALE TUNING C	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		42	1	00 – 7F	SCALE TUNING C♯	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		43	1	00 – 7F	SCALE TUNING D	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		44	1	00 – 7F	SCALE TUNING D♯	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		45	1	00 – 7F	SCALE TUNING E	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		46	1	00 – 7F	SCALE TUNING F	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		47	1	00 – 7F	SCALE TUNING F♯	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		48	1	00 – 7F	SCALE TUNING G	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		49	1	00 – 7F	SCALE TUNING G♯	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4A	1	00 – 7F	SCALE TUNING A	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4B	1	00 – 7F	SCALE TUNING A♯	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4C	1	00 – 7F	SCALE TUNING B	-63 – 0 – +63[cent]	40	O	X	O	O	O	X	O	O	O (Function)	X	X	O	X
		4D	1	28 – 58	CAT PITCH CONTROL	-24 – 0 – +24[semitones]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
		4E	1	00 – 7F	CAT LOW PASS FILTER CONTROL	-9600 – 0 – +9450[cent]	40	O	X	X	O	O	X	X	O	X	X	X	O	X
		4F	1	00 – 7F	CAT AMPLITUDE CONTROL	-100 – 0 – +100[%]	40	O	X	X	O	O	X	X	O	X	O	X	O	X
		50	1	00 – 7F	CAT LFO PMOD DEPTH	0 – 127	00	O	X	X	O	O	X	X	O	X	O	X	O	X
		51	1	00 – 7F	CAT LFO FMOD DEPTH	0 – 127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		52	1	00 – 7F	CAT LFO AMOD DEPTH	0 – 127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		53	1	28 – 58	PAT PITCH CONTROL	-24 – 0 – +24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		54	1	00 – 7F	PAT LOW PASS FILTER CONTROL	-9600 – 0 – +9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		55	1	00 – 7F	PAT AMPLITUDE CONTROL	-100 – 0 – +100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		56	1	00 – 7F	PAT LFO PMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		57	1	00 – 7F	PAT LFO FMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		58	1	00 – 7F	PAT LFO AMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		59	1	00 – 5F	AC1 CONTROLLER NUMBER	0 – 95	10	X	X	X	X	X	X	X	X	X	X	X	X	X
		5A	1	28 – 58	AC1 PITCH CONTROL	-24 – 0 – +24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5B	1	00 – 7F	AC1 LOW PASS FILTER CONTROL	-9600 – 0 – +9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5C	1	00 – 7F	AC1 AMPLITUDE CONTROL	-100 – 0 – +100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		5D	1	00 – 7F	AC1 LFO PMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		5E	1	00 – 7F	AC1 LFO FMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		5F	1	00 – 7F	AC1 LFO AMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		60	1	00 – 5F	AC2 CONTROLLER NUMBER	0 – 95	11	X	X	X	X	X	X	X	X	X	X	X	X	X
		61	1	28 – 58	AC2 PITCH CONTROL	-24 – 0 – +24[semitones]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		62	1	00 – 7F	AC2 LOW PASS FILTER CONTROL	-9600 – 0 – +9450[cent]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		63	1	00 – 7F	AC2 AMPLITUDE CONTROL	-100 – 0 – +100[%]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		64	1	00 – 7F	AC2 LFO PMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		65	1	00 – 7F	AC2 LFO FMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		66	1	00 – 7F	AC2 LFO AMOD DEPTH	0 – 127	00	X	X	X	X	X	X	X	X	X	X	X	X	X
		67	1	00 – 01	PORTAMENTO SWITCH	OFF, ON	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		68	1	00 – 7F	PORTAMENTO TIME	0 – 127	00	O	X	X	O	O	X	X	O	X	X	X	O	X
		69	1	00 – 7F	PITCH EG INITIAL LEVEL	-64 – 0 – +63	40	X	X	X	X	X	X	X	X	X	X	X	X	X

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		6A	1	00 – 7F	PITCH EG ATTACK TIME	-64 – 0 – +63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6B	1	00 – 7F	PITCH EG RELEASE LEVEL	-64 – 0 – +63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6C	1	00 – 7F	PITCH EG RELEASE TIME	-64 – 0 – +63	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		6D	1	01 – 7F	VELOCITY LIMIT LOW	1 – 127	01	X	X	X	X	X	X	X	X	X	X	X	X	X
		6E	1	01 – 7F	VELOCITY LIMIT HIGH	1 – 127	7F	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 3F

		70	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		71	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		72	1	00 – 7F	EQ BASS GAIN	-12dB – +12dB	40	O (*2)	X	X	O *2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X
		73	1	00 – 7F	EQ TREBLE GAIN	-12dB – +12dB	40	O (*2)	X	X	O (*2)	O (*2)	X	O (*2)	O (*2)	O (Mixing Console) (*2)	O	O	O	X

TOTAL SIZE 04

		74	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		75	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		76	1	04 – 28	EQ BASS FREQUENCY	32 – 2.0k[Hz]	0C	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
		77	1	1C – 3A	EQ TREBLE FREQUENCY	500 – 16.0k[Hz]	36	O (*2)	X	X	O (*2)	O (*2)	X	X	O (*2)	O (Sound Creator) (*2)	O	X	O	X
		78	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		79	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		7F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-

TOTAL SIZE 0C

nn = PART NUMBER

If there is a Drum Voice assigned to the part, the following parameters are ineffective.
- BANK SELECT LSB
- MONO/POLY MODE
- SCALE TUNING
- PORTAMENTO
- PITCH EG
- FILTER MODULATION DEPTH (FMOD DEPTH)
- AMPLITUDE MODULATION DEPTH (AMOD DEPTH)

*2 On PSR-2100, the following parameters are not accepted, or are not transmitted by the Panel operations.
- EQ BASS GAIN
- EQ TREBLE GAIN
- EQ BASS FREQUENCY
- EQ TREBLE FREQUENCY

MIDI Parameter Change table (A/D PART) (PSR-2100 only)

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
10	00	00	1	00 – 01	INPUT GAIN	MIC, LINE	X	X	X	X	X	X	X	X	X	X	X	X	X
		01	1	00 – 7F	BANK SELECT MSB	0 – 127	X	X	X	X	X	X	X	X	X	X	X	X	X
		02	1	00 – 7F	BANK SELECT LSB	0 – 127	X	X	X	X	X	X	X	X	X	X	X	X	X
		03	1	00 – 7F	PROGRAM NUMBER	0 – 127	X	X	X	X	X	X	X	X	X	X	X	X	X
		04	1	00 – 1F, 7F	Rcv CHANNEL	1 – 16, OFF	X	O	X	X	X	X	X	X	X	X	X	O	X
		05	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		06	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		07	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		08	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		09	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0B	1	00 – 7F	VOLUME	0 – 127	X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		0E	1	01 – 7F	PAN	L63 – C – R63	X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		0F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		10	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		11	1	00 – 7F	DRY LEVEL		X	O	X	X	X	X	X	X	X	X	X	O	X
		12	1	00 – 7F	CHORUS SEND		X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		13	1	00 – 7F	REVERB SEND		X	O	X	X	X	X	X	X	O (Mixing Console)	X	X	O	X
		14	1	00 – 7F	VARIATION SEND		X	O	X	X	X	X	X	X	X	X	X	O	X

TOTAL SIZE 15

10	0n	30	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		31	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		32	1	00 – 01	Rcv PROGRAM CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		33	1	00 – 01	Rcv CONTROL CHANGE	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		34	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		35	1	00 – 01	MUTE	ON, OFF	X	X	X	X	X	X	X	X	X	X	X	X	X
		36	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		37	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		38	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		39	1	00 – 01	Rcv VOLUME	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3A	1	00 – 01	Rcv PAN	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3B	1	00 – 01	Rcv EXPRESSION	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		3C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		3F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		40	1	00 – 01	Rcv BANK SELECT	OFF, ON	X	X	X	X	X	X	X	X	X	X	X	X	X
		41	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		42	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		43	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		44	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		45	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		46	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		47	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		48	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-

Address (H)			Size (H)	Data (H)	Parameter	Description	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
							Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		49	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		4F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		50	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		51	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		52	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		53	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		54	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		55	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		56	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		57	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		58	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		59	1	00 – 5F	AC1 CONTROLLER NUMBER	0 – 95	X	X	X	X	X	X	X	X	X	X	X	X	X
		5A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		5F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-
		60	1	00 – 5F	AC2 CONTROLLER NUMBER	0 – 95	X	X	X	X	X	X	X	X	X	X	X	X	X

TOTAL SIZE 31

The A/D PART Parameter cannot be reset to its factory setting with XG SYSTEM ON.

MIDI Parameter Change table (DRUM SETUP)

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
3n	rr	00	1	00 – 7F	PITCH COARSE	-64 – 0 – +63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		01	1	00 – 7F	PITCH FINE	-64 – 0 – +63[cent]	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		02	1	00 – 7F	LEVEL	0 – 127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		03	1	00 – 7F	ALTERNATE GROUP	OFF, 1 – 127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		04	1	00 – 7F	PAN	RND, L63 – C – R63	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		05	1	00 – 7F	REVERB SEND	0 – 127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		06	1	00 – 7F	CHORUS SEND	0 – 127	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		07	1	00 – 7F	VARIATION SEND	0 – 127	7F	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		08	1	00 – 01	KEY ASSIGN	SINGLE, MULTI	00	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		09	1	00 – 01	Rcv NOTE OFF	OFF, ON	Depends on the note	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		0A	1	00 – 01	Rcv NOTE ON	OFF, ON	01	O (Drum only)	X	X	O	X	X	X	X	X	X	X	O	X
		0B	1	00 – 7F	LOW PASS FILTER CUTOFF FREQUENCY	-64 – 0 – +63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0C	1	00 – 7F	LOW PASS FILTER RESONANCE	-64 – 0 – +63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0D	1	00 – 7F	EG ATTACK RATE	-64 – 0 – +63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0E	1	00 – 7F	EG DECAY1 RATE	-64 – 0 – +63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X
		0F	1	00 – 7F	EG DECAY2 RATE	-64 – 0 – +63	40	O (Drum only)	X	X	O	X	X	X	X	X	X	O	O	X

TOTAL SIZE 10

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Transmission (generated data)				
								Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra	Panel (main generation method)	M.Pad	Style	Song	MIDI
		20	1	00 – 7F	EQ BASS GAIN	-12 – +12[dB]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		21	1	00 – 7F	EQ TREBLE GAIN	-12 – +12[dB]	40	X	X	X	X	X	X	X	X	X	X	X	X	X
		22	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		23	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24	1	04 – 28	EQ BASS FREQUENCY	32 – 2.0k[Hz]	0C	X	X	X	X	X	X	X	X	X	X	X	X	X
		25	1	1C – 3A	EQ TREBLE FREQUENCY	500 – 16.0k[Hz]	36	X	X	X	X	X	X	X	X	X	X	X	X	X
		26	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		27	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		28	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-

TOTAL SIZE 0E

n: Drum Setup Number (0 – 1)
rr: note number (0D – 5B)

In the following cases, the PSR-2100/1100 will initialize all Drum Setups.

XG SYSTEM ON received
GM SYSTEM ON received
DRUM SETUP RESET received (only when in XG mode)

[Note]

When a part to which a Drum Setup is assigned receives a program change, the assigned Drum Setup will be initialized.
If the same Drum Setup is assigned to two or more parts, changes in Drum Setup parameters (including program changes) will apply to all parts to which it is assigned.

SYSTEM EXCLUSIVE MESSAGES

* Not received when the Receive System Exclusive Message is set to off.
* Not transmitted when the Transmit System Exclusive Message is set to on.

System Exclusive Messages

O: available

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Section Control	F0 43 7E 00 ss dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000000 00 = 0sssssss ss = Switch No. 00H INTRO A 01H INTRO B 02H INTRO C 03H INTRO D 08H MAIN A 09H MAIN B 0AH MAIN C 0BH MAIN D 10H FILL IN AA 11H FILL IN BB 12H FILL IN CC 13H FILL IN DD 18H BREAK FILL 20H ENDING A 21H ENDING B 22H ENDING C 23H ENDING D 0ddddddd dd = Switch On/Off 00H (Off) 7HF (On) 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (Section LED)	O (Section Sw)	X	X	O	X
Tempo Control	F0 43 7E 01 t4 t3 t2 t1 F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000001 01 = 0ttttttt t4 = tempo4 0ttttttt t3 = tempo3 0ttttttt t2 = tempo2 0ttttttt t1 = tempo1 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (Tempo indication)	O (Tempo Sw)	X	X	O	X
Chord Control	F0 43 7E tt d1 d2 d3 d4 F7 Type 1 (tt=2) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000010 02 = type 1 0ddddddd d1 = chord root(cr) 0ddddddd d2 = chord type(ct) 0ddddddd d3 = bass note(bn) 0ddddddd d4 = bass type(bt) 11110111 F7 = End of Exclusive cr: Chord Root 0fffnnnn fff: b or #, nnnn: note(root) 0000nnnn 0n bbb 0fff0000 x0 reserved 0001nnnn 1n bb 0fff0001 x1 C 0010nnnn 2n b 0fff0010 x2 D 0011nnnn 3n natural 0fff0011 x3 E 0100nnnn 4n # 0fff0100 x4 F 0101nnnn 5n ## 0fff0101 x5 G 0110nnnn 6n ### 0fff0110 x6 A 0fff0111 x7 B ct: Chord Type 0 – 34,127 00000000 00 0 Maj 00010010 12 18 dim7 00000001 01 1 Maj6 00010011 13 19 7th 00000010 02 2 Maj7 00010100 14 20 7sus4 00000011 03 3 Maj7(#11) 00010101 15 21 7b5 00000100 04 4 Maj(9) 00010110 16 22 7(9) 00000101 05 5 Maj7(9) 00010111 17 23 7(#11) 00000110 06 6 Maj6(9) 00011000 18 24 7(13) 00000111 07 7 aug 00011001 19 25 7(b9) 00001000 08 8 min 00011010 1A 26 7(b13) 00001001 09 9 min6 00011011 1B 27 7(#9) 00001010 0A 10 min7 00011100 1C 28 Maj7aug 00001011 0B 11 min7b5 00011101 1D 29 7aug 00001100 0C 12 min(9) 00011110 1E 30 1+8 00001101 0D 13 min7(9) 00011111 1F 31 1+5 00001110 0E 14 min7(11) 00100000 20 32 sus4 00001111 0F 15 minMaj7 00100001 21 33 1+2+5 00010000 10 16 minMaj7(9) 00100010 22 34 cc 00010001 11 17 dim bn : On Bass Chord Same as Chord root 127: No bass chord bt : Bass Chord Same as Chord type 127: No bass chord * Not received when Receive Chord System Exclusive Message is set to off. * Not transmitted when Transmit Chord System Exclusive Message is set to on.	-	-	-	-	-	-	-	-	O (Chord indication)	O (Keyboard)	X	X	O	X
	Type2 (tt=3) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000011 03 = type 2 0ddddddd dd = note1 0ddddddd dd = note2 0ddddddd dd = note3 : : 0ddddddd dd = ... note10 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (Chord indication)	X	X	X	X	X

System Exclusive Messages (Universal Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Master Volume	F0 7F 7F 04 01 ll mm F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 01111111 7F = ID of target device 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 0lllllll ll = Volume LSB 0mmmmmmm mm= Volume MSB 11110111 F7 = End of Exclusive or F0 7F XN 04 01 ll mm F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N=0 – F, whichever is received. X=ignored 00000100 04 = Sub-ID #1=Device Control Message 00000001 01 = Sub-ID #2=Master Volume 0lllllll ll = Volume LSB 0mmmmmmm mm= Volume MSB 11110111 F7 = End of Exclusive	O	-	O	O	X	X	X	X	X	X	X	X	X (Output as XG Master Volume)	X

System Exclusive Messages (Universal Non Realtime messages)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
General MIDI System On	F0 7E 7F 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 01111111 7F = ID of target device 00001001 09 = Sub-ID #1=General MIDI Message 00000001 01 = Sub-ID #2=General MIDI On 11110111 F7 = End of Exclusive or F0 7E XN 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxnnnn XN = When N is received N=0 – F,whichever is received. X=ignored 00001001 09 = Sub-ID #1=General MIDI Message 00000001 01 = Sub-ID #2=General MIDI On 11110111 F7 = End of Exclusive	O	-	O	O	X	X	X	O	O (Mixing Console)	X	X	X	O	X

System Exclusive Messages (XG)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
XG Parameter Change	F0 43 1n 4C hh mm ll dd ... F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n=always 0 (when transmit), n=0 – F (when recieve) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 0ddddddd dd = Data : : 11110111 F7 = End of Exclusive	*Refer to Parameter Change Table			*Refer to Parameter Change Table					-	*Refer to Parameter Change Table				O (When receiving the XG Parameter Request)
XG Bulk Dump	F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0000nnnn 0n = Device Number n=always 0 (when transmit), n=0 – F (when recieve) 01001100 4C = Model ID 0aaaaaaa aa = Byte Count MSB 0bbbbbbb bb = Byte Count LSB 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 0ddddddd dd = Data : : 0ddddddd dd = Data 0ccccccc cc = Checksum 11110111 F7 = End of Exclusive	*Refer to Parameter Change Table			*Refer to Parameter Change Table					-	X	X	X	X (Output as Parameter Change)	O (When receiving the XG Dump Request)
XG Parameter Request	F0 43 3n 4C hh ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0011nnnn 3n = Device Number n=always 0 (when transmit), n=0 – F (when recieve) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X
XG Dump Request	F0 43 2n 4C hh mm ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0010nnnn 2n = Device Number n=always 0 (when transmit), n=0 – F (when recieve) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 0lllllll ll = Address Low 11110111 F7 = End of Exclusive	-	-	-	-	-	-	-	-	O (-)	X	X	X	X	X

System Exclusive Messages (Clavinova compliance)

```
11110000 F0  = Exclusive status
01000011 43  = YAMAHA ID
01110011 73  = Clavinova ID
      :                :
11110111 F7  = End of Exclusive
```

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Internal Clock	F0 43 73 01 02 F7 00000001 01 = Model ID (Clavinova common ID) 00000010 02 = Internal Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
External Clock	F0 43 73 01 03 F7 00000001 01 = Model ID (Clavinova common ID) 00000011 03 = External Clock Substatus	-	-	-	X	X	X	X	X	O (Function)	X	X	X	X	X
Organ Flutes data Bulk Dump (PSR-2100 only)	F0 43 73 01 06 0B 00 00 01 06 0n [Bulk Data] sum F7 01H Model ID (Clavinova common ID) 06H Bulk ID 0BH Bulk No. (Organ Flutes data Bulk Dump) 00H, 00H, 01H, 06H Data Length :16bytes 1st Channel No. 0nH 2nd Footage [1'] 00 – mmH mm : maximum 3rd [1 1/3'] 00 – mmH 4th [1 3/5'] 00 – mmH (not used) 5th [2'] 00 – mmH 6th [2 2/3'] 00 – mmH 7th [4'] 00 – mmH 8th [5 1/3'] 00 – mmH 9th [8'] 00 – mmH 10th [16'] 00 – mmH 11th [Attack 2'] 00 – mmH 12th [Attack 2 2/3'] 00 – mmH 13th [Attack 4'] 00 – mmH 14th Settings [Attack Length] 00 – mmH 15th [Response] 00 – mmH 16th [Attack Mode] 00 – 01H 00H: Each, 01H: First 17th [Wave Variation] 00 – 01H 00H: Sine, 01H: Tone Wheel 18th [Volume] 01 – vvH vv: maximum 19th [aux] 00H 20th [aux] 00H 21th [aux] 00H 22th [aux] 00H sum Check Sum = 0-sum (BULK DATA)	O (Organ Flute)	X	X	O	O	X	X	O	O (Sound Creator)	O (Sound Creator)	X	X	O	X

System Exclusive Messages Special Operators (Vocal Harmony Additional Parameters)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
Vocal Harmony Pitch to Note ON/OFF (PSR-2100 only)	F0 43 73 01 11 0n 50 00 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000000 00 = Pitch to Note Parameter No. 0ddddddd dd = data (00H : Off, 01H : On) 11110111 F7 = End of Exclusive	X	O	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Pitch to Note Part (PSR-2100 only)	F0 43 73 01 11 00 50 01 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000001 01 = Pitch to Note Part Parameter No. 0ddddddd dd = data 00H : Main 01H : Layer 02H : Left 04H : Upper 11110111 F7 = End of Exclusive	X	O	X	X	X	X	X	X	O (Vocal Harmony Edit)	O (Vocal Harmony Edit)	X	X	O	X
Vocal Harmony Vocoder Part (Harmony Part (Panel)) (PSR-2100 only)	F0 43 73 01 11 00 50 10 ss F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00010000 10 = Vocoder Part Parameter No. 0ddddddd dd = data 00H : Off 01H : Upper 02H : Lower 11110111 F7 = End of Exclusive	X	O	X	X	X	X	X	X	O (Mic Setting)	O (Mic Setting)	X	X	O	X

System Exclusive Messages (Others)

MIDI Event	Data Format	Corresponding Voice/Part			MIDI Reception (effective or not for each part)					MIDI Reception (affecting the panel)	MIDI Transmission (generated data)				
		Regular/ Organ Voice	Mic/Vocal Harmony	Natural Voice	Song	Main Layer Left	Keyboard	Style	Extra		Panel (main generation method)	M.Pad	Style	Song	MIDI
MIDI Master Tuning	F0 43 1n 27 30 00 00 mm ll cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n n= always 0 (when transmit), n=0 – F (when receive) 00100111 27 = Model ID of TG100 00110000 30 = Address High 00000000 00 = Address Mid 00000000 00 = Address Low 0000mmmm 0m = Master Tune MSB 0000llll 0l = Master Tune LSB 0ccccccc cc = don't care 11110111 F7 = End of Exclusive	O	X	O	O					O (Function)	X	X	X	X	X

Song System Exclusive Message List
Liste der System-Exclusive-Meldungen der Songs
Liste des messages exclusifs au système de morceaux
Lista de mensajes exclusivos del sistema de canciones

Data Format	Parameter	Description
Panel Setting		
F0 43 73 01 22 00 0n mm ll pp F7	Panel Program Change	pp=Bank Select MSB, ll=Bank Select LSB, nn=Program Change, On=Channel
F0 43 73 01 22 01 0n vv F7	Panel Voice Volume	00H – 07FH, On=Channel
F0 43 73 01 22 02 0n vv F7	Panel Voice Reverb Depth	00H – 07FH, On=Channel
F0 43 73 01 22 03 0n vv F7	Panel Voice Effect Depth	00H – 07FH, On=Channel
Score		
F0 43 73 01 50 12 00 00 dd F7	Left Part indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 01 dd F7	Right Part indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 02 dd F7	Lyrics indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 03 dd F7	Chord indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 04 dd F7	N.Name indication On/Off	00H: OFF, 7FH: ON
F0 43 73 01 50 12 00 05 dd F7	Size designation	00H: SMALL, 01H: MIDDLE, 02H: LARGE, 03H: Xlarge
F0 43 73 01 50 12 00 06 dd F7	Left Ch	00H – 0FH=CH, 7EH=OFF, 7FH=AUTO
F0 43 73 01 50 12 00 07 dd F7	Right Ch	00H – 0FH=CH, 7EH=OFF, 7FH=AUTO
F0 43 73 01 50 12 00 08 dd F7	Quantize triplet On/Off	00H: Triplet OFF, 7FH: Triplet ON
F0 43 73 01 50 12 00 09 dd F7	Quantize	00H: quarter, 01H: eighth, 02H: sixteenth, 03H: thirty-second
F0 43 73 01 50 12 00 0A dd F7	NoteName	00H: ABC, 01H: FixedDo, 02H: MovableDo
F0 43 73 01 50 12 00 0B dd F7	Color Note	00H: OFF, 7FH: ON
Style		
F0 43 73 dd 11 00 16 dd dd F7	Style No.	dd dd=StyleNo. PSR-2100: 7F 3C PSR-1100: 7F 3B
F0 43 73 01 51 05 00 00 08 Rhy1 Rhy2 Bass Chd1 Chd2 Pad Phr1 Phr2 7F	Style Part On / Off	00H: OFF, 01H:ON
F0 43 73 01 51 00 00 00 03 10 00 dd F7	ACMP SPLIT POINT	00H – 7FH

Song Meta Event List
Liste der Meta-Events der Songs
Liste des méta-événements des morceaux
Lista de meta-eventos de canciones

Data Format	Parameter	Description
SMF META Event		
FF 01 len [Data]	TEXT	len=Data length, [Data]=Text data
FF 02 len [Data]	Copyright	len=Data length, [Data]=Copyright data
FF 03 len [Data]	Sequence Name	len=Data length, [Data]=Sequence Name
FF 05 len [Data]	Lyrics	len=Data length, [Data]=Lyrics data
FF 2F 00	End Of Track	
FF 51 03 t1 t2 t3	Set Tempo	t1 t2 t3 = 01D4C0H – B71B00 (5 – 500)
FF 58 04 nn dd cc bb	Beat (Time signature)	nn =Denominator (2^n), dd=Numerator, CC=MIDI clock per metronome click, dd=Number of thirty-second notes in MIDI quarter note
FF 59 02 sf mi	Key Signature	sf=-7 – 7 (7♭ – 7♯) mi=0:Major key, 1:Minor key
YAMAHA META Event		
FF 7F 07 43 73 0A 00 07 dd	Song Offset Measure	-100 – -1, 1 – 100
FF 7F len 43 73 0C 00 [Data]	Style Name	len=Data length, [Data]=Style Name
FF 7F len 43 73 0D 00 [Data]	Song OTS	len=Data length, [Data]=OTS Data
YAMAHA XF META Event		
FF 7F 07 43 7B 01 cr ct bn bt	Chord Name	Refer to "Chord Control" in the MIDI Data Format (System Exclusive Messages)
FF 7F 05 43 7B 03 dd 08	Phrase Mark	See below
FF 7F 04 43 7B 04 dd	Max Phrase Number	01H – 7FH
FF 7F 05 43 7B 0C rr ll	Guide Track Flag	rr=Melody Track 1 Ch, ll=Melody Track 2 Ch
FF 7F len 43 7B 21 00 pp [Data]	Lyrics Bitmap	pp=Display type 00H: Center 01H: Tile len=Data length, [Data]=File Path

[Phrase mark]

```
FF 7F 05 43 7B 03 xx 08    Phrase mark

    xx    Phrase mark    0hfccccc

        bit6(h)
            0:Right, 1:Left   Right hand/Left hand
        bit5(f)
            0:Channel available, 1:Channel not available
            Flag for whether channel information (bit 4 - 0) is valid or not
            Phrases common to all channels assigned to 1
        bit4-0(ccccc)
            CH(0:1ch – 31:32ch) Channel information whose phrase mark is available
```

YAMAHA [Portable Keyboard]
Model PSR-2100/1100 MIDI Implementation Chart

Date : 10,Sep 2002
Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	
Mode	Default Messages Altered	3 × **************	3 × ×	
Note Number : True voice		0 - 127 **************	0 - 127 0 - 127	
Velocity	Note ON Note OFF	○ 9nH,v=1-127 × 9nH,v=0	○ 9nH,v=1-127 ×	
After Touch	Key's Ch's	× ×	× ○	
Pitch Bend		○	○ 0 - 24 semi	
Control Change	0,32	○	○	Bank Select
	1,5,7,10,11	○	○	
	6,38	○	○	Data Entry
	64,65,66,67	○	○	
	71-74	○	○	Sound Controller
	84	○	○	Portament Cntrl
	91,93,94	○	○	Effect Depth
	96-97	×	○	RPN Inc,Dec
	98-99	○	○	NRPN LSB,MSB
	100-101	○	○	RPN LSB,MSB
	120	×	○	All Sound Off
	121	×	○	Reset All Cntrls
Prog Change : True #		○ 0 - 127 **************	○ 0 - 127	
System Exclusive		○	○	
Common	: Song Pos. : Song Sel. : Tune	× × ×	× × ×	
System Real Time	: Clock : Commands	○ ○	○ ○	
Aux Mes- sages	: All Sound Off : Reset All Cntrls : Local ON/OFF : All Notes OFF : Active Sense : Reset	× × × × ○ ×	○ (120,126-127) ○ (121) ○ ○ (123-125) ○ ×	
Notes:				

Mode 1 : OMNI ON , POLY
Mode 3 : OMNI OFF, POLY
Mode 2 : OMNI ON ,MONO
Mode 4 : OMNI OFF,MONO

○ : Yes
× : No

M.D.G., Pro Audio & Digital Musical Instrument Division, Yamaha Corporation

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